QUEENSLAND RECONSTRUCTION AUTHORITY

Monthly Report

October 2014

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Message from the Chief Executive Officer

Major General Richard Wilson AO Chairman Queensland Reconstruction Authority

Dear Major General Wilson

It is with pleasure that I present the October 2014 Monthly Report – the 44th report to the Board of the Queensland Reconstruction Authority (the Authority).

The Authority was established under the *Queensland Reconstruction Authority Act 2011* following the unprecedented natural disasters which struck Queensland over the summer months of 2010-11. The Authority 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. Since its establishment, the role of the Authority has subsequently been extended to cover historical and continuing disaster events in Queensland.

The October report provides an update on the progress of recovery. Following the passing of the timeframe for delivery of much of the reconstruction works arising from the 2011 and 2012 events, the Authority is currently focused on closing out the massive volume of works completed up to 30 June 2014 for acquittal to the Commonwealth. Concurrently, the Authority is also actively managing delivery of the considerable program of works remaining from Tropical Cyclone Oswald and other events of 2013 and 2014 through the damage assessment, submission preparation and approval and delivery phases.

Inclusive of these tasks, the Authority is managing a total program of works for events from 2009 through to 2014 with an estimated total cost of \$13.4 billion. As at 1 October 2014:

- an additional \$78 million in submissions have been received by the Authority since last month
- an additional \$61 million has been processed by the Authority since last month
- a cumulative value of \$12.0 billion of the \$13.4 billion works program (2009 to 2014) has been reported to the Authority as being in progress or delivered by delivery agents as at 31 August 2014.

On 25 September 2014, the Australian Government Productivity Commission issued its draft report into natural disaster funding arrangements. The draft report, which contains a number of draft recommendations, has been issued for further public consultation and the Queensland Government is currently preparing a response.

The October report highlights the recent opening of Brisbane's iconic Riverwalk project, broken apart in the 2011 floods and reconstructed with greater flood resilience through special Category D NDRRA funding, and Western Down Regional Council's completion of its reconstruction works in Dalby arising from 2011 flood damage - the largest roadworks project the town has ever seen which was delivered in little more than 18 months. The report also spotlights recent industry recognition awarded to DTMR and Cassowary Coast Regional Council in managing and delivering NDRRA works. Updates on the progress of major reconstruction projects underway and completion of the Yarrabah Range Road betterment project is also profiled in the report.

I commend the report to you and recommend its release to the Minister and the public pursuant to Section 41 of the *Queensland Reconstruction Authority Act 2011*.

Yours sincerely

Frankie Carroll
Chief Executive Officer

Queensland Reconstruction Authority

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Section one: Introduction

1.0 Introduction

1.1 Background

Queensland has been struck by a series of unprecedented natural disasters in recent years. Between November 2010 and April 2011, extensive flooding caused by periods of extremely heavy rainfall, destruction caused by a number of storm cells including Cyclones Tasha, Anthony and Severe Tropical Cyclone Yasi and subsequent monsoonal flooding, resulted in all of Queensland being declared as disaster affected.

On 21 February 2011 in response to the 2011 disaster events, the Queensland Government established the Queensland Reconstruction Authority (the Authority) under the *Queensland Reconstruction Act 2011*. The Authority's role was subsequently extended to cover historical and continuing disaster events in Queensland.

The Authority has since been given responsibility to administer Natural Disaster Relief and Recovery Arrangements (NDRRA) for the large scale natural disaster caused by Tropical Cyclone Oswald in late January 2013 and additional events which have occurred in the 2013 and 2014 disaster event periods. The *Queensland Reconstruction Authority Amendment Bill 2013* was passed on 14 February 2013 to expand the jurisdiction of the Authority to include the 2013 events.

1.2 Purpose

The Authority's mission is to reconnect, rebuild and improve Queensland communities and its economy.

The Authority 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.

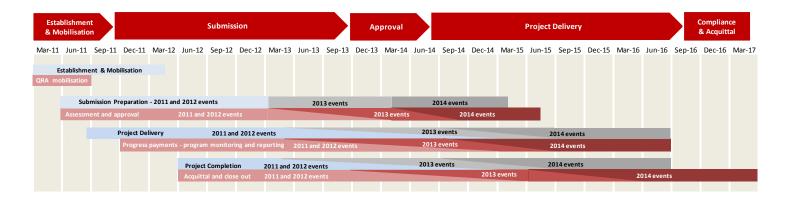
The Authority operates with reference to recovery and reconstruction plans established by the State in response to the 2011 disaster events and more recently following Tropical Cyclone Oswald in 2013 and Severe Tropical Cyclone Ita in 2014. Most recently, the Severe Tropical Cyclone Ita Recovery Plan (Recovery Plan), provides strategic guidance for the coordination and management of recovery, reconstruction and community resilience activities undertaken across the State after the flood and damage impacts of Severe Tropical Cyclone Ita.

An overview of the Recovery Plan, and update on the progress against key metrics is set out in Section 4.

1.3 Timing

The Authority's priorities are currently assisting councils and State agencies to complete their reporting and progress through the close out and acquittal phase of their program of works from the 2011 and 2012 disaster periods, with the bulk of the reconstruction work having occurred prior to 30 June 2014.

The Authority is also assisting with the damage assessments from the 2014 events and monitoring of the remaining 2012, 2013 and 2014 programs into, and through, the project delivery phase as soon as practicable.



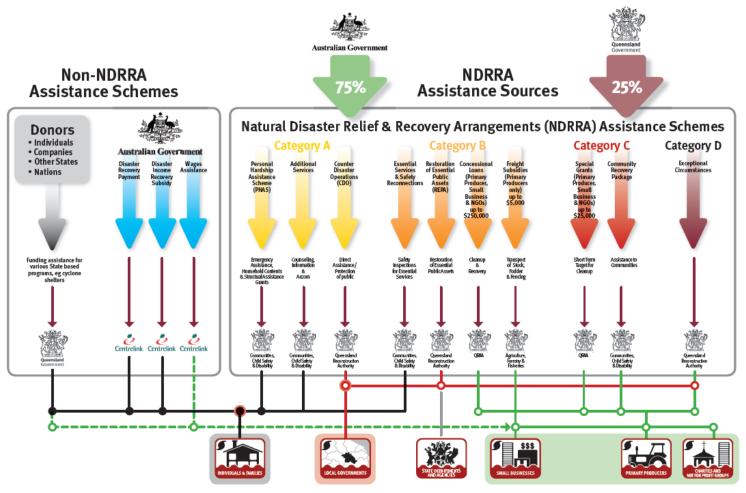
Section two: Disaster Assistance

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



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

Disaster events managed by the Authority

The list of the activated disaster events managed by the Authority are set out in **Section 2.3** and can also be found on www.disaster.qld.gov.au.

The maps opposite show the LGAs activated for relief measures under NDRRA for each event period under the Queensland Disaster Assistance Framework.

This report includes references to event periods described as follows:

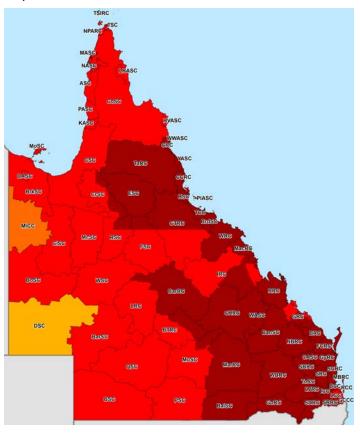
- 2014 events: Activated disaster events managed by the Authority which occurred in the financial year ended 30 June 2014
- **2013 events:** Activated disaster events managed by the Authority which occurred in the financial year ended **30 June 2013**, including Tropical Cyclone Oswald and associated rainfall and flooding (January 2013)
- 2012 events: Activated disaster events managed by the Authority which occurred in the financial year ended 30 June 2012
- **2011 events:** Activated disaster events managed by the Authority which occurred in the financial year ended **30 June 2011,** including Tropical Cyclone Yasi and Queensland flooding (November 2010 to February 2011)
- 2009-2010 events: Activated disaster events managed by the Authority which occurred prior to 30 June 2010
- Combined Program: relates to all the activated disaster event programs managed by the Authority.

2.0 Disaster Assistance

2.2 Disaster assistance by event period

The maps below show the LGAs activated for relief measures under NDRRA for each event period managed by the Authority under the Queensland Disaster Assistance Framework.

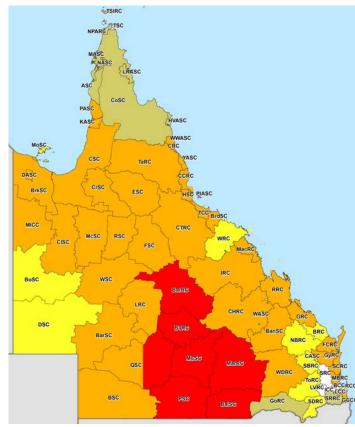
Map 1 - LGAs disaster activated under NDRRA for 2011 events



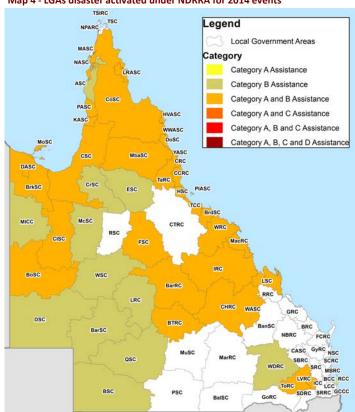
Map 3 - LGAs disaster activated under NDRRA for 2013 events



Map 2 - LGAs disaster activated under NDRRA for 2012 events



Map 4 - LGAs disaster activated under NDRRA for 2014 events



^{*} Refer Appendix A for glossary of LGA abbreviations

2.3 Events managed by the Authority

The Authority has responsibility to administer NDRRA relief measures for historical and continuing disaster events in Queensland. The Authority currently manages and coordinates the infrastructure reconstruction and recovery for 26 disaster events activated for NDRRA relief measures since the Authority's establishment in February 2011 and the remaining program of works for an additional 16 disaster events which occurred prior to the Authority's establishment.

There have been no new activations for NDRRA financial assistance since the last report.

2014 events:

- 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 March 2014
- Central & Western Queensland Flooding & Rainfall, 18-28
 February 2014
- North East Queensland Monsoonal Rainfall and Flooding 7 to 9
 February 2014
- Tropical Cyclone Fletcher, commencing 2 February 2014
- Far North Queensland Peninsula Flooding (27-31 January 2014)
- Tropical Cyclone Dylan, 31 January 2014
- North Stradbroke Island Fires, commencing 29 December 2013

2013 events:

- South West Queensland Wildfires, 21 December 2012
- Far Northern Queensland Bushfires, late October December 2012
- Tropical Cyclone Oswald and Associated Rainfall and Flooding, 21-29 January 2013 *
- Longreach Flood, 18 February 2013 **
- Central & Southern Queensland Low, 25 February 5 March 2013 **

2012 events:

- Queensland Bushfires, August to October 2011
- Localised Heavy Rainfall Northern Queensland, October 2011 *
- Southern Queensland Flooding, November 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 and flooding and East Coast Hybrid Low, 24 February - 7 March 2012 *
- Northern and Far Northern Queensland Heavy Rainfall & flooding,
 15 March 2012 *
- East Coast Low, 22 March 2012 *

2011 events:

- Queensland Flooding and Tropical Cyclones Tasha and Anthony, November 2010 to February 2011*
- Severe Tropical Cyclone Yasi on 2 February 2011*
- Queensland Monsoonal Flooding Event, 8 February 2011*
- South West Flooding, April 2011*

2007-2010 events managed by the Authority:

- South East and North Coast Queensland East Coast Low, August 2007
- South West Queensland storms and flooding, 23-30 November 2007
- Central Western Queensland storms and flooding, 22-30 December 2007
- South East Queensland East Coast Low, 27 December 2007
 7 January 2008
- Queensland Monsoonal flooding, January 2008
- Queensland Monsoonal flooding, February March 2008
- South West Queensland flooding, June 2008
- Queensland storms and associated flooding, 16-22 November 2008
- Queensland Monsoonal flooding and Tropical Cyclone Charlotte and Ellie, January - February 2009
- South East Queensland Low, May 2009
- Queensland Bushfires, September October 2009
- South West Flooding, 20 25 November 2009
- Northern, Central and South West Queensland Flooding,
 22 December 2009 to 8 January 2010
- Queensland Monsoonal Flooding and Tropical Cyclones
 Olga, Neville, Ului and Paul, January to April 2010
- South West Queensland Low and Associated Flooding, September 2010
- 2010 South East Queensland Flooding, 9-12 October 2010.

The maps on the preceding page show the LGAs activated for relief measures under NDRRA for each event period managed by the Authority under the Queensland Disaster Assistance Framework.

^{*} Events covered under the National Partnership Agreement for Natural Disaster Recovery and Reconstruction (NPA) between the State and Commonwealth Government signed 8 February 2013 (NPA Events).

[#] Pending agreement to extend the NPA to include two additional 2013 events - Longreach Floods, 18 February 2013 and Central and Southern Queensland Low, 25 February - 5 March 2013.

2.4 Additional assistance measures

The State Government in conjunction with the Commonwealth have activated a range of jointly-funded Category C, Category D and other relief measures to alleviate distress due to the impact of Tropical Cyclone Oswald and the 2011 events. The measures are summarised below:

2.4.1 Betterment fund

On 8 February 2013, the Queensland Government signed the National Partnership Agreement (NPA) with the Commonwealth Government which recognised the need for a more streamlined process for the approval of Betterment funding. The Queensland Government announced a \$40 million commitment to Betterment funding which will match the Commonwealth Government contribution, resulting in the establishment of the \$80 million Betterment Fund.

In August 2013, the Betterment fund was extended beyond its original coverage of LGAs declared for NDRRA assistance for Tropical Cyclone Oswald to also cover LGAs declared for the two additional disaster events that occurred through to June 2013 (Longreach Flood (18 February 2013) and Central and Southern Queensland Low (25 February to 5 March 2013)). The Betterment fund is available for the restoration or replacement of essential public assets to a more disaster resilient standard than their pre-disaster standard. The intent of betterment is to increase the resilience of communities to natural disasters, while at the same time reducing future expenditure on asset restoration, reducing incidents, injuries and fatalities and improving asset utility during and after disaster events.

Where a damaged asset is approved as a betterment project, the normal cost of restoring or replacing the asset to its pre-disaster standard will continue to be funded under Category B of NDRRA assistance and the incremental cost to 'better' the asset to a more disaster-resilient standard will be financed from the Betterment fund. The status of the Betterment fund is set out in Section 3.7 of this report.

2.4.2 Other assistance measures

Tropical Cyclone Oswald

- Community Recovery Package \$5 million Funding for community development officers in the hardest hit communities of Bundaberg and North Burnett, support for mental health services and a flexible fund that assists communities to implement engagement and development activities.
- Clean Up and Recovery program \$10 million Program to assist primary producers to clear debris and restore fencing in the worst affected areas; to maintain workers while income generating activities are reduced and to clear debris from watercourse that poses a hazard to downstream infrastructure and activities.
- **Industry Recovery Officers** \$1.5 million Placement of Industry Recovery Officers to assist business and primary producers recover from flooding.
- Enhanced concessional loans and grants Loans of up to \$650,000 (with a grant component of up to \$50,000) are available to applicants that have suffered extreme damage such that the existing concessional loan and recovery grants under NDRRA category B and C are insufficient to support recovery.
- **Environmental Recovery program \$10 million*** Program to fund existing programs to conduct flood specific clean up and soil conservation work following the 2013 flooding.
- **Rural Financial Counselling Services \$1.5 million* -** Provision of financial planning advice for rural businesses and primary producers to assist in the recovery of local economies following the disaster.
- Other measures \$4.9 million to fund dredging works to restore Bundaberg Port to its pre-2013 flood clearance depths; and \$900,000 to assist Bundaberg Regional Council meet the cost of recovery works for community parks and gardens.

2011 events

- Queensland Local Council Package \$315 million Funding to help local councils repair utilities and infrastructure, and support their efforts in recovering from the floods and Cyclone Yasi. The package comprises two components: \$265 million to fast-track the repair of damaged infrastructure, including the Strengthening Grantham project, Brisbane ferry terminals and Riverwalk; and \$50 million to contribute to regional and remote councils employing people to perform important clean-up and repair work.
- Cassowary Coast Support Package \$15 million Funding to restore vital council infrastructure and restore natural vegetation and beach damage in the Cassowary Coast region. Specifically, the Support Package provides for the repair of Dunk Island Jetty, the repair of Clump Point Jetty and the restoration of Cardwell beach foreshore and its natural vegetation.
- **Exceptional Disaster Assistance Scheme** Concessional interest loans of up to \$650,000, with grant component of up to \$50,000, to eligible businesses, primary producers and not-for-profit organisations that suffered extreme damage.

In addition, the State Government and Commonwealth have agreed to an extended Day Labour Trial, which enables councils to deliver restoration works with their own workforce on condition that they provide evidence of savings in both time and cost.

^{*} Non-NDRRA measures funded 50% by the State and 50% by the Commonwealth; Commonwealth share is being delivered directly through existing Commonwealth programs.

Section three: **Program Status**

3.0 Program Status

3.1 Recent developments

The timeframe for councils and state agencies to complete much of the works from the devastating floods and cyclones of early 2011 and the series of events which impacted the state in the summer of 2011-12 passed on 30 June 2014 and the Authority is currently undertaking the considerable task to close out and acquit the massive volume of works completed prior to 30 June 2014 on the 2011, 2012 and 2013 events for acquittal in the 2013-14 Commonwealth Claim.

Whilst the delivery phase of much of the 2011 and 2012 event programs has now passed, the Authority's focus on delivery remains as there is still a significant program of works from Tropical Cyclone Oswald and other events of 2013 and 2014 to manage through the damage assessment, submission preparation and approval and delivery phases.

On 25 September 2014, the Australian Government Productivity Commission issued its draft report into natural disaster funding arrangements. The draft report, which contains a number of draft recommendations, has been issued for further public consultation and the Queensland Government is currently preparing a response.

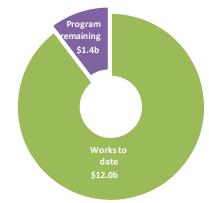
3.2 Combined program status

Following completion of the June 2014 NDRRA estimates review process, the estimated program of works for all events actively managed by the Authority (2009 to 2014) is \$13.4 billion.

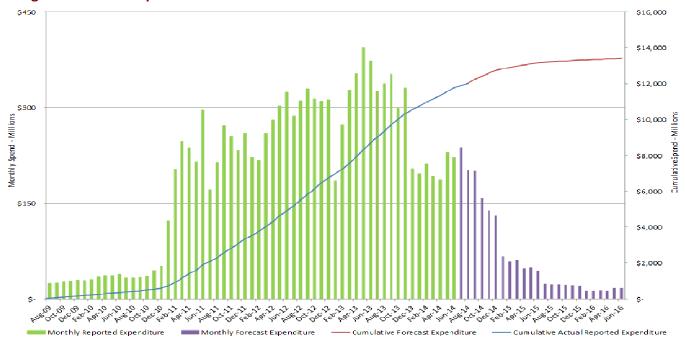
The estimated cost of the damage from the 2014 Events is \$0.45 billion, the damage from the 2013 Events is estimated to be \$2.1 billion and the cost of the 2011 and 2012 Events is estimated to be \$6.8 billion and \$1.7 billion respectively. The cost of the 2009-10 Events managed by the Authority has also been finalised at \$2.4 billion following acquittal of the remaining works from these programs in the 2012-13 Commonwealth Claim.

Since the last report, the combined program of works for all events managed Figure 3.2.1 Combined program progress as at 31 August 2014 by the Authority has progressed as follows:

- a cumulative value of \$17.9 billion in submissions have been received by the Authority to 1 October 2014, representing an increase of \$78 million since last month
- a cumulative total of \$17.3 billion has been processed by the Authority to 1 October 2014, representing an increase of \$61 million since last month
- a cumulative value of \$12.0 billion of the \$13.4 billion works program (2009 to 2014) has been reported to the Authority as being is in progress or delivered by delivery agents as at 31 August 2014.

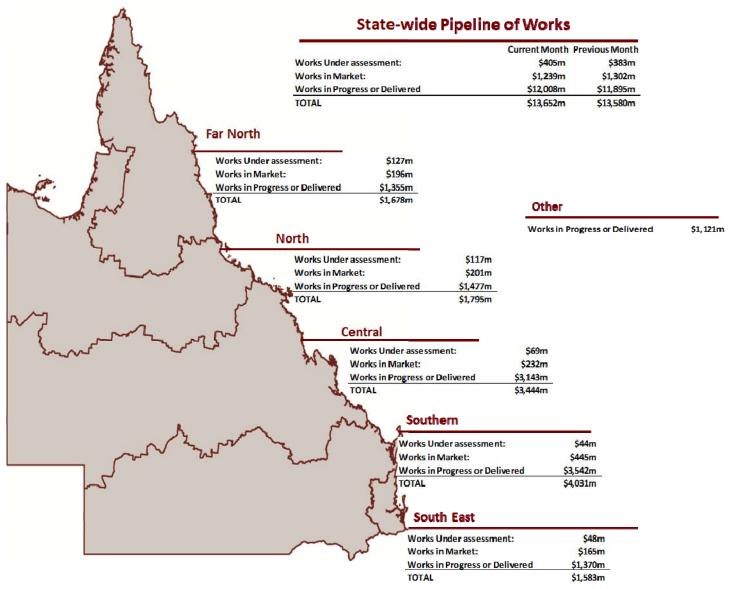


3.3 Program of works expenditure



3.4 State-wide pipeline of works

Following completion of the June 2014 NDRRA estimates review process, the Pipeline of works for events actively managed by the Authority (2009 to 2014) has an estimated program value of \$13.4 billion, the status of which is set out below.



Source: DTMR at 31 August 2014; & Authority at 1 October 2014

Note:

- 1. Works Under Assessment and Works in Market represents data as at 31 August 2014 (DTMR) and 1 October 2014 (LGAs and Other). Works in Progress or Delivered represents spend by delivery agents to 31 August 2014 as reported to the Authority at 1 October 2014. Additional works have been conducted but are yet to be reported to the Authority
- 2. Other encompasses SDAs other than DTMR as well as the 2011 and 2013 Other Assistance.

Pipeline of Works Definitions

Stage	Description
Works under Assessment	Applications for packages which are currently under assessment by the Authority or are awaiting additional information from the applicant.
Works In Market	Estimate of spend remaining on works in progress and packages which have been approved by the Authority and are in the tender or contract process.
Works in Progress or Delivered Expenditure as reported to the Authority on packages in progress or delivered.	

Source: DTMR at 31 August 2014; and the Authority at 1 October 2014

3.5 State-controlled roads and highways

DTMR's Transport Network Reconstruction Program (TNRP) manages the recovery and reconstruction of Queensland's integrated transport system to reconnect Queensland communities and economies following the damage from natural disaster events in 2010, 2011, 2012 and 2013.

DTMR's reconstruction program as a result of the natural disasters of 2014 is currently being scoped and will be provided in future reports.

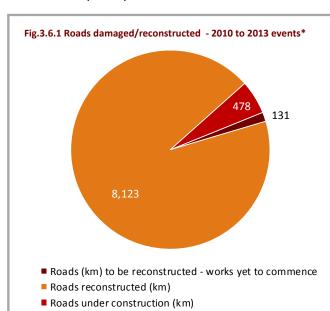
The transport system includes state-controlled roads, ports, navigation aids and the rail network.

The current state of activity:

- Roads \$6.0 billion of projects have been completed for both recovery and reconstruction works for works resulting from the disaster periods of 2010 to 2014 and \$451 million of reconstruction works are currently underway. Of the 8,732km of roads which DTMR plans to reconstruct following damage from the 2010 to 2013 natural disaster events*, 8,123km had been completed to 31 August 2014. A further 478km of road is under construction on active works contracts. See Figure 3.6.1 TNRP Summary map.
- Rail 3,100km (43%) of Queensland Rail lines were closed or had limited access due to the natural disaster events in early 2013, and all have been recovered and services resumed.
- Maritime repairs have been required to navigation aids, jetties and other boating infrastructure following natural disasters from 2010 to 2013. The events of 2013 affected seven ports (all of which have since been reopened without restriction) and damaged or destroyed 348 aids to navigation, of which 347 have since been recovered and 1 temporarily fixed.

Key achievements:

- During August 2014, DTMR expended approximately \$79 million on reconstruction works across the State arising from the natural disaster events of 2012, 2013 and 2014. DTMR has until 31 December 2014 to complete its remaining 2012 event works, until 30 June 2015 to complete its 2013 program and until 30 June 2016 to complete its 2014 programs of works.
- The cumulative spend on reconstruction of the transport network to 31 August 2014 is more than \$6 billion for works resulting from the 2010 to 2014 disaster periods.
- There was 92km of damaged roads reconstructed in August 2014 bringing the total reconstructed since the program commenced to 8,123km (93%) of the total damaged roads which DTMR plans to reconstruct from the 2010 to 2013 events*.
- Construction commenced on 27 projects valued at \$19 million in August 2014 including works on the Burke Developmental Road in DTMR's Far North region; ten 2013 event projects in the Fitzroy district; and ten 2013 event projects in the Wide Bay/Burnett region.
- Construction was completed on 32 projects valued at more than \$48 million in August 2014 including five 2012 event projects in Central West District; works on the Kennedy Developmental Road in the Far North region; seven projects in the South West region; and ten 2013 event projects in the Wide Bay/Burnett region.



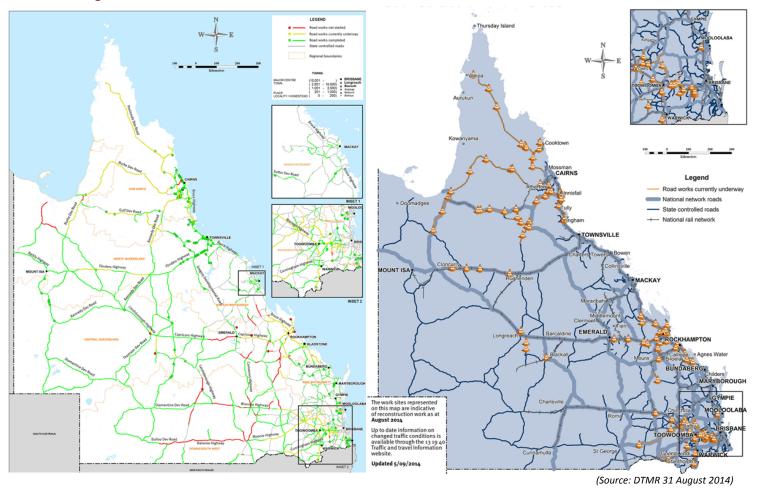


Above: Palmerston Highway – final trim of base

^{*} reported kms to reconstruct represent works from damage caused by events in 2010, 2011, 2012 and 2013. Reporting on scope of reconstruction works from 2014 events will be provided in future reports following finalisation of TMR's reconstruction program for 2014 events.

Fig.3.5.2 TNRP summary of reconstruction works to date
- August 2014

Fig 3.5.3 TNRP reconstruction work sites
- August 2014



3.6 Betterment fund status

The \$80 million Betterment fund is a Category D relief measure available to LGAs that have been declared for NDRRA assistance for the flood, storm and cyclone disaster events that occurred in Queensland in early 2013 for the restoration or replacement of essential public assets to a more disaster resilient standard than their pre-disaster standard.

The Betterment Fund was announced in February 2013 following Tropical Cyclone Oswald which caused damage to many of the assets which had been repeatedly damaged and restored from earlier disaster events. Correspondence was received from the Commonwealth in August 2013 agreeing to an extension of the Betterment fund to also cover LGAs declared for the two additional disaster events that occurred after Oswald through to June 2013 - Longreach Flood (18 February 2013) and Central and Southern Queensland Low (25 February to 5 March 2013).

Status

Expressions of Interest (EOI) were received by the Authority from 48 councils with approximately \$1 billion worth of Betterment projects to improve the resilience of infrastructure to natural disasters. Under the Betterment Framework, in addition to the normal NDRRA submission assessment process, the Authority considered the financial and non-financial benefits of the betterment proposal such as possible prior damage, loss of availability and its impact on economic or social factors of the community.

The majority of the Betterment Fund has now been allocated to approved projects. To 1 October 2014, 217 active projects with an estimated total cost of approximately \$153 million have been approved. These projects are estimated to utilise \$75.9 million in Betterment funding with the balance funded through Category B NDRRA funding and Council contributions.

To date, all 34 LGAs have started to deliver more than 190 of the 217 approved projects and more than 50 projects have been reported as practically complete.

A report on the completion of the Yarrabah Range Road betterment project by Yarrabah Aboriginal Shire Council is provided in Section 4.

Section four: **Progress Reports**

4.1 Iconic projects in reconstructing Queensland*

Project	Value (\$m)	Description
BCC Ferry Terminals	\$73.0	The January 2011 floods damaged all of Brisbane City Council's CityCat and City Ferry terminals. To return service as soon as possible, Council replaced
(Cat D)		the seriously damaged terminals with temporary terminals. Seven temporary terminals were built to pre-flood standards meaning that in the event of another major flood, it was likely it would need to be rebuilt again.
		Works to replace the terminals with more resilient, permanent structures are being delivered as part of a special (Category D) funding package for Brisbane City Council. The design of the new terminals integrates technical innovation, improved accessibility for all passengers and flood resilience.
		The replacement ferry terminals are located at The University of Queensland (St Lucia), Regatta (Toowong), North Quay (CBD), Maritime Museum (South Brisbane), QUT Gardens Point (CBD), Holman Street (Kangaroo Point), Sydney Street (New Farm) and Dutton Park.
		VIIIVA ART



Artists impression of new Regatta ferry terminal at Toowong.

In April 2014, Brisbane City Council announced McConnell Dowell Constructors as the successful tenderer to complete upgrades of the Ferry terminals.

Status

Works have commenced on the first four ferry terminal projects.

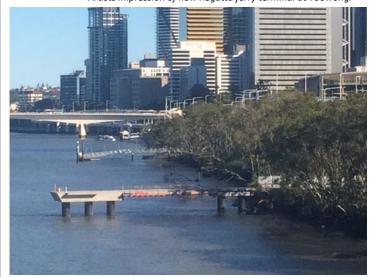
Piling works at **QUT Gardens Points** started in June 2014. By 30 September 2014, all marine piles had been completed and works were substantially progressed on the marine access bridge and landside works. Brisbane City Council's offsite prefabrication works for the pontoon and gangway has also commenced. Completion of the terminal is expected in February 2015, weather permitting.

Construction of the new **University of Queensland** CityCat terminal began in early July 2014 and all marine piles are now complete. Fabrication of the pontoon and gangway is also underway. Completion of the terminal is expected in March 2015, weather permitting.

Piling works on the **Maritime Museum** ferry terminal started on 7 October 2014 and is expected to be completed during the month. Once the piling is complete, other upgrade works will commence in 2015.

Fabrication of the pontoon and gangway for the **Regatta** ferry terminal commenced in October 2014. The existing temporary terminal will be closed from late-October 2014 and the new terminal expected to open early 2015.

Construction of the remaining terminals is planned to commence in early 2015 with completion of all ferry terminal works required by mid-2015.



 ${\it Progress of construction on QUT Gardens Point \ ferry terminal - October \ 2014}$



Piling works underway on Maritime Museum ferry terminal - October 2014

^{*} Iconic projects represent projects that may be complex or of great significance to the local community.

4.1 Iconic projects in reconstructing Queensland (continued)

Project	Value (\$m)	Description	Status
Dawson Highway (Biloela to Banana)	\$5.6	Following Tropical Cyclone Oswald in January 2013, the Biloela area experienced 193mm of rainfall over a four-day period. The rainfall caused the pavements of the Dawson Highway, between Biloela and Banana, to become saturated and suffer a loss of strength. This resulted in subsequent extensive pavement failures at various locations including potholing, rutting, shoving and longitudinal and crocodile cracking. The fast-flowing waters caused considerable erosion of batters, scouring and damage to structures. Reconstruction works will include pavement repairs and overlay, and repairs to existing drainage structures.	Detailed design of works arising from 2013 events was complete by the end of August 2013. The tender was awarded in January 2014 and construction commenced in July 2014. Works are expected to be completed in October 2014, weather permitting.



Above: overlay works on the Dawson Highway

Right: Protective concrete slab over underground services on the Warrego Highway.



Warrego Highway (Jondaryan to Dalby)

\$41m

During the Tropical Cyclone Oswald natural disaster event in January 2013, the Warrego Highway pavement and foundations were saturated, resulting in structural weakening of the asset.

This section of the road is built on predominantly flat terrain, which makes it vulnerable to water ingress through the pavement and foundations as adjacent table drains remain full for several weeks during and after these types of weather events.

Long lengths of pavement failures across the full pavement width resulted along many section of the Highway.

The road construction contract was awarded to FK Gardner & Sons Group of Toowoomba.

Construction started in July 2014.

New traffic safety measures have been implemented for this project, including side tracks to keep both lanes of traffic open and moving during the reconstruction works.

During September 2014, works were progressed in Jondaryan and on the eastern side of Dalby.

Construction is expected to be completed by December 2014, weather permitting.

4.2 Program spotlights (continued)

Brisbane City Council Completion of Brisbane Riverwalk





The damaged Brisbane Riverwalk following the 2011 floods (top), and at its re-opening after completion of reconstruction work on 21 September 2014 (bottom)

Hundreds of residents celebrated the re-opening of the Brisbane Riverwalk on 21 September 2014.

The pedestrian and bicycle path has been rebuilt following the 2011 flood event when a large section of the then-floating walkway broke apart and washed downstream.

The path above the Brisbane River is a key active transport link between the inner city suburb of New Farm and the Brisbane CBD with more than 3000 people expected to use the walkway every day.

Following detailed public consultation, Brisbane City Council decided to replace the previously floating walkway with a fixed, jetty-like structure. Construction commenced in late July 2013 with a 55m-long barge mobilised in the Brisbane River carrying a 280-tonne crane and a piling rig. At the peak of construction, three barges were mobilised on the project.

Riverwalk features 24 hour lighting, separate pedestrian and cyclist paths along its 870 metre length, shaded rest areas and a rotating opening span to allow for the passage of vessels to and from moorings located within the area of water bordered by the walkway.

The six-metre wide walkway is anchored to the riverbed by 37 concrete piles and its deck pieces are connected to the piles with reinforced concrete to provide a structure that has significant flood resilience.

To minimise forces from the river flow and reduce potential impact of floating debris, the alignment of the new walkway is parallel with the shoreline and the rotating opening span is located at the downstream end of the walkway.

The \$72 million project was funded under special Category D NDRRA funding assistance.

Western Downs Regional Council Completion of 'Operation Road Restore'

The largest roadworks project Dalby has ever seen, nicknamed 'Operation Road Restore' delivered around \$25 million of works in little over 18 months.

Council's restoration works on 43 roads in Dalby's urban network damaged by the 2011 flooding events commenced in November 2012 and the final reseal works were completed in April 2014, two months ahead of the original expected delivery date.

Innovations that saw the project completed ahead of schedule also provided budget savings with the final NDRRA works being delivered at a significant cost saving to the original approved values.

The project included approximately \$19 million in NDRRA reconstruction works with Council contributing a further \$6 million in complementary funding for kerb and channelling works completed at the time as the restoration works.



Alice Street in Dalby was a hive of activity as the final works were completed on Council's Operation Road Restore program

4.2 Program spotlights (continued)

DTMR Reconstruction program wins industry awards

The TNRP team – a blended group of employees from DTMR and project management firm IDM Partners – has taken out two major prizes at the 2014 Australian Institute of Project Management (AIPM) Project Management Achievement Awards.

The team won the 'Construction/Engineering in excess of \$100 million' state category and then beat a host of worthy projects to win the Queensland Project of the Year Award for 2014 for their project management of reconstruction following the 2010 natural disaster events.

Acting Program Director (TNRP), Steve Mallows, said the awards were great recognition of the team's hard work and professionalism over the past four years.

"It's a massive job – the team has been program managing more than 3000 recovery and reconstruction projects to rebuild and reconnect communities after the unprecedented natural disasters that struck Queensland between 2010 and 2013," Steve said.

"These disasters damaged more than 8700km of the state road network and more than 1700 structures including bridges and culverts.

"We've made great progress, with expenditure passing the \$6 billion mark and more than 8000km of state roads now reconstructed – that's the equivalent of driving around Australia from Broome to just past Rockhampton!"

Along the way the team has delivered important achievements in embedding a program management approach to manage recovery and reconstruction works, benchmarking to drive value for money, and innovations in design, safety, procurement and Indigenous employment.

TNRP has qualified as a finalist in the AIPM national awards, to be announced at their national conference in October.





2010 disaster event damage to Esk—Hampton Road (top) and Barcoo River Bridge (bottom) - two reconstruction projects managed by the TNRP team



DTMR/Cassowary Coast Regional Council Cardwell shines at engineering awards

The Reconstructing Cardwell project has been recognised at the recent Queensland Engineering Excellence Awards, receiving a high commendation award for project management.

Judges said Reconstructing Cardwell "resulted in a community-visioned makeover of a scope rarely seen in small townships".

The \$40 million project, which included \$15 million in special Category D (exceptional circumstances) NDRRA funding, combined reconstruction of a 1.4km two-lane section of the Bruce Highway, known as Victoria Street. The project also included works on the foreshore; recreation, picnic and pedestrian facilities; a memorial; a roundabout and formal parking.

The project followed extensive damage during Cyclone Yasi in February 2011. DTMR and Cassowary Coast Regional Council also provided complementary funding to the project.

The project was officially opened in November 2013.

Right: Completed works along the Cardwell foreshore, part of the recently awarded Reconstructing Cardwell project.

4.2 Program spotlights (continued)

Yarrabah Aboriginal Shire Council Yarrabah Range Road betterment project

The Yarrabah Range Road passes through particularly steep countryside and provides the only access into the Indigenous township of Yarrabah, home to approximately 3000 permanent residents.

A major slip on this road has the potential to close the road for long periods, completely isolating the coastal community and preventing access to emergency services, commercial and medical facilities and leaving residents vulnerable and unable to evacuate during a disaster.

Following damage sustained in 2011 as result of flooding and subsequently again in 2013 following Tropical Cyclone Oswald, Yarrabah Range Road required reconstruction at four separate sites where landslips had occurred.

Council's betterment project involved lining the existing table drains with concrete, to direct water into the culverts and prevent water infiltrating the pavement. This in turn is expected to reduce the risk of pavement damage and embankment instability.

By increasing the resilience of Yarrabah Range Road, the community will be able to evacuate more safely and access emergency services, schools and supplies after major rainfall and flood events. In addition, improved access reduces the risk of financial losses incurred due to major disruption to normal activities. The betterment project will also reduce the risk of future restoration costs associated with flood damage.

Works began in June 2014 and were completed in September 2014 at a total cost of approximately \$1.9 million.



Yarrabah Range Road during reconstruction and betterment works



Yarrabah Range Road betterment project following completion—September 2014

Section five: Communications

5.0 Communications

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

5.1 Communicating progress

Media analysis

There has been a total of 142 media items in September 2014 (77 print -55%, 22 TV -15%, 43 radio -30%), which reached a cumulative audience of over 4 million people, with the focus this month being on council recovery, betterment projects and proposed changes to NDRRA funding.

The completion and opening of Brisbane City Council's Riverwalk received coverage on local radio and TV networks (4BC, ABC, channels Seven, Nine and Ten), together with articles featuring in The Courier-Mail, B Magazine, and the Sunshine Coast Daily. Cardwell's foreshore restoration also featured in the news this month with the project receiving a high commendation at the Queensland Engineering Excellence Awards. This was covered in local media including the Herbert River Express, Tully Times, and the Innisfail Advocate.

The Betterment Fund received coverage for projects in Bundaberg, Somerset, and North Burnett, with articles appearing in regional media including the Isis Town and Country, Kilcoy Sentinel, and the Central and North Burnett Times.

Engagement activities

In September 2014, Minister for Local Government, Community Recovery and Resilience, David Crisafulli attended Community Cabinet in Rockhampton and Yeppoon.

In late September, **Minister Crisafulli** also visited the Toowoomba and Gympie regions to discuss reconstruction and natural disaster funding with the Mayors and local members.

Communications

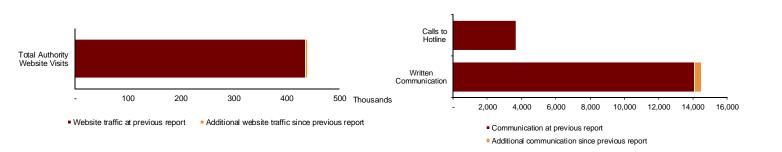
There are a number of methods available to the public to communicate with the Authority.

The Authority's website provides information to the public and continues to be enhanced with ongoing updates, including information about Betterment projects. There has been a large number of visits to the website since it was launched on 18 February 2011. At 30 September 2014, total website visits amounted to 439,722 - an increase of 1.0% since last month. (See Figure 5.1.1)

In September, the Authority received an additional 30 calls to its dedicated hotline and 410 additional pieces of written correspondence were received. (See Figure 5.1.2)



Fig. 5.1.2 Communications



(Source: the Authority at 30 September 2014)

Cardwell work rewarded

\$40m project highly rated

THE \$40 million Reconstructing Cardwell project has earned recognition on a state level for Cassowary Coast Regional Council, the Department of Transport and Main Roads and consulting engineers Jacobs. The initiative received a high commendation award for project management at the recent Queensland Engineering Excellence Awards. Judges said Reconstructing Cardwell resulted in a community-visioned makeover of a scope rarely seen in small townships."

small townships".

The \$40 million project – which combined reconstruction of a state-controlled road, the redevelopment of council-maintained foreshore areas and the refurbishment of town areas— was funded by the Federal Govern-ment State Government and Council

as a special Natural Disaster Relief and Recovery initiative following Cyclone Yasi.
Cassowary Coast Mayor Bill Shannon said he was pleased that council and its partners in Reconstructing Cardwell had been recognised.
He said Cardwell was now reaping the benefits of a project that had transformed the seaside town.
We have a picture-sque southern entrance to the Cassowary Coast region with plenty of reasons for people to stop," he said.



Innisfail Advocate, 24 September 2014

Rock-solid Riverwalk won't do the bolt next time

BRISBANE'S Riverwalk has been resurrected three years after it was torn from its moor-ings in the devastating 2011 floods.

floods.

The image of a tugboat towing the walkway to stop it careening down the swollen Brisbane River became an enduring symbol of the disaster.

After three years, \$72 million and three months late, the revamped Riverwalk will open again tomorrow.

again tomorrow.

The original Riverwalk was a floating structure but the new walkway has been bolted into the river's bedrock and de-signed to withstand a onein-2000-year flood.

Rebuilding started in May last year but engineering diffi-culties associated with working in the river delayed its opening

Acting Brisbane Lord Mayor Adrian Schrinner said the rebuilding was symbolic of the city's resilience and recov-ery from the floods.

erry from the floods.

The Brisbane community has sorely missed this popular riverfront link and has been behind us all the way in seeing it rise again from its watery grave, bigger and better that before," Cr Schrinner said.

During the floods, as the first Riverwalk headed towards the Gateway Bridge arches, tugboatmen Doug Hislop and Peter Fenton, who died later that year in an unrelated industrial accident, nudged the structure between the Gateway's arches with their vessel.

Riverwalk will officially open at Ilam tomorrow, with gates opening at the Howard Smith Wharves from 10.30am.



The Courier Mail. 29 September 2014

FOOTY STAR DIGS DEEP FOR ORIGIN





Rural Weekly. 26 September 2014



\$9m bridge works end

Works party

FAMILIES of 14 North **Burnett Regional Council** workers, along with seven property owners, gathered at the Burnham residence outside Monto to celebrate the opening of Cattle Creek Crossing. The original bridge was washed away in 2013. Betterment Funding saw it rebuilt in a better location.

Central and North Burnett Times. 4 September 2014

\$10M bridge replacement program underway

SOMERSET Regional Council has started work on its multi-million dollar bridge replacement program. Jones Gully Bridge on Gregors Creek Road is one of the first timber bridges to be replaced under Council's \$10 million programs.

program.
The new \$972,000 concrete bridge is being built alongside the existing old timber bridge in an effort to minimise traffic delays during construction. construction.
Somerset Regional Council Mayor Graeme
Lehmann said Council was committed to
replacing all timber bridges in the region
over the coming years with sustainable
etypchiras.

structures.

Somerset's economy and employment depends largely on its agricultural production which in turn depends on reliable bridges. The estimated value of agricultural production in Somerset is \$160 million per year. Some of our old timber bridges already have load limits placed on them for safety

region. We are getting on with the most ambitious timber bridge replacement program in our history because we know that good infrastructure is what will keep our local economy ticking over for the long term. The new Jones Guily Bridge is one of nine new bridges being jointly funded by the new bridges being jointly funded by the new bridges being jointly funded by the under the Natural Disaster Relief and Recovery Arrangements and Betterment program and by Somersel Regional Council. The new bridge is expected to have a lifespan of a century or more.



Kilcoy Sentinel, 4 September 2014

Gatton Lockyer Brisbane Valley Star, 17 September 2014

Cardwell's \$40 million foreshore project recognised

THE \$40 million Reconstructing Cardwell project has earned recognition on a state level for Cassowary Coast Regional Council, the Department of Transport and Main Roads and consulting engineers Jacobs.

The initiative re-

ceived a high commendation award for project management at the recent Queensland Engin-

eering Excellence Awards. Judges said Reconstructing Cardwell resulted in a community-visioned makeover of a scope rarely seen in small townships".

The \$40 million project - which combined reconstruction of a state-controlled road, the redevelopment of council-maintained foreshore areas and the refurbishment of town

areas – was funded by the Federal Government, State Govern-

ment and Council as a special Natural Disaster Relief and Recovery initiative following Cyclone Yasi. Cassowary Coast Mayor Bill Shannon said he was pleased that council and its partners in Reconstructing Cardwell had been recognised.

Herbert River Express, 27 September 2014

RESIDENTS WALKING ON WATER AGAIN





one-in-100-year flood tore it from its moorings Brisbane's Riverwalk is back in opera-tion, just in time for the G20.

tion, just in time for the G20.

Brisbane Lord Mayor Graham Quirk pledged earlier
this year the path hugging the
shoreline at New Farm would
be repaired and operational
when world leaders gather
for the G20 in November.

"Riverwalk has become
part of Brisbane and will continue to be an asset to the city
for decades to come" he said

ie to be an asset to the city decades to come," he said.

The Courier Mail, 22 September 2014

Goodnight to flooded crossing

GOODNIGHT Scrub residents can let out a sigh of relief with the anouncement that Booyal announcement tha Crossing will be flood-proofed. The

rip to reach town wheneve ee cop a downpour. At an estimated cost of nore than \$1.5 million, the works will upgrade limited trainage under the existing auseway by installing four einforced culverts. The project has been nade possible through the

amouncement.

"Every time when it rains heavily for a couple of days, it will go under.

"You can't get to work and the kids can't get to school."

Bundaberg Regional
Council Division 2 councillo Tony Ricciardi said locals had "been to hell

Isis Town and Country, 4 September 2014

Appendices

Appendix A: Local Government Areas by Region

