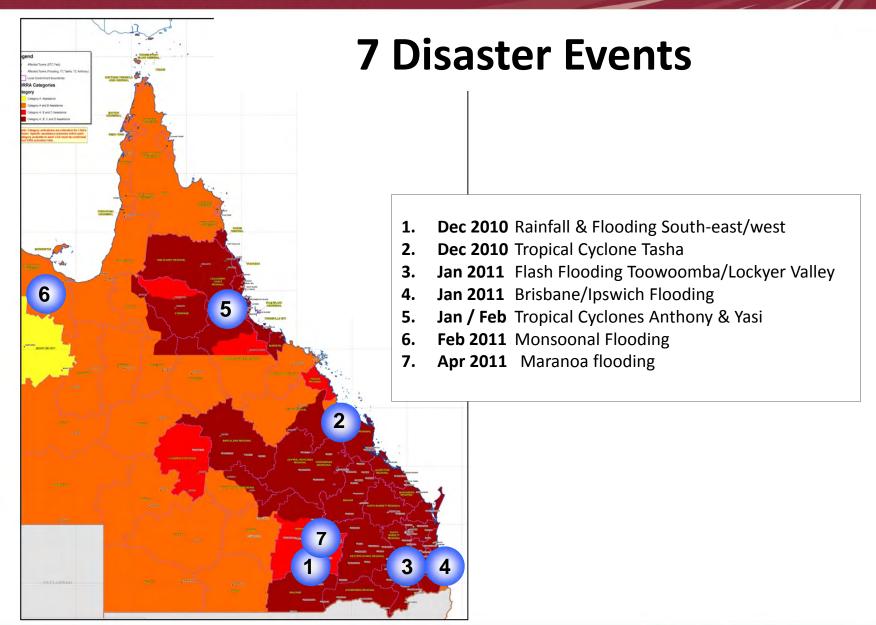


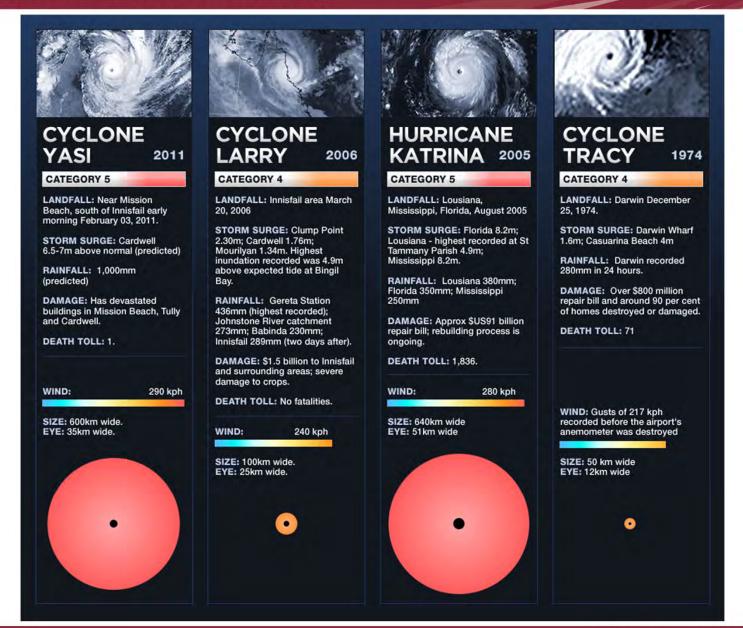




# DISASTER RECOVERY AND RECONSTRUCTION





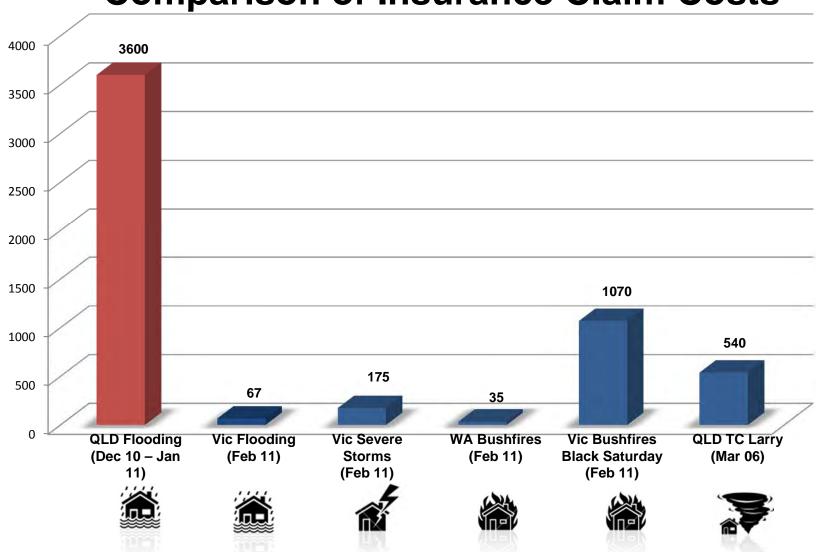


#### **Disaster Comparisons – Infrastructure & People**

	Cyclone Larry (2006)	Victoria Bushfires	Qld Disaster Events
LGAs affected	5 of 73	16 of 79	73 of 73
Communities affected	40	80	210
Estimated Damage	\$1.5B	\$1.2B	\$6B+
Insurance Claims	\$540M	10,000 (\$1.09B)	118 000 (\$3.6B)
Donated Relief Funds	\$22M	\$392 M	\$260M
Houses destroyed	600	2133	7 800
Loss of Life	Nil	173	37



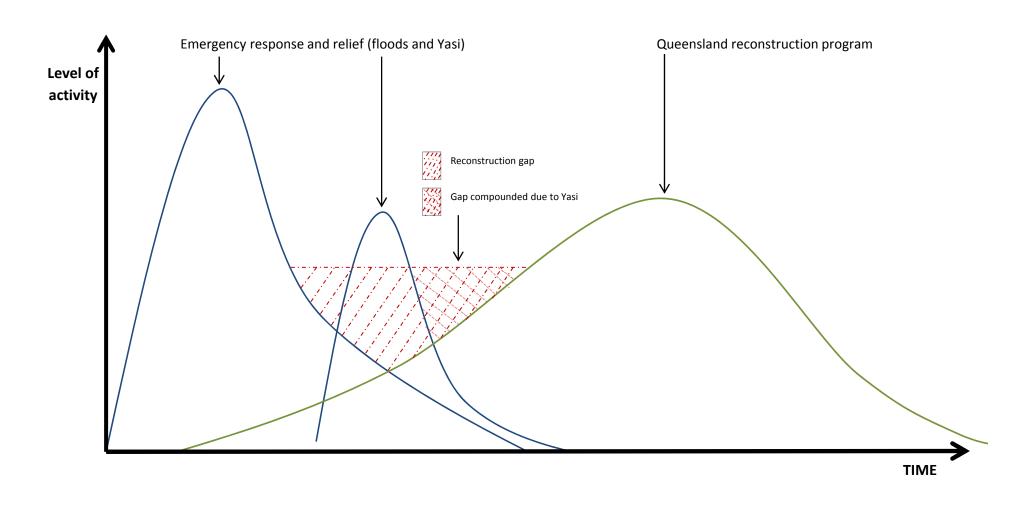
## **Comparison of Insurance Claim Costs**



Source: Insurance Council of Australia 6 May 2011



# **Response and Reconstruction**



## **Recovery Effort To Date**



Premier's Relief Fund: \$261M donated, \$74M distributed

Personal Hardship & Assistance Grants: \$34M paid

**Small Business & Primary Prod Grants:** \$51M approved

Power: 468,000 homes & businesses reconnected

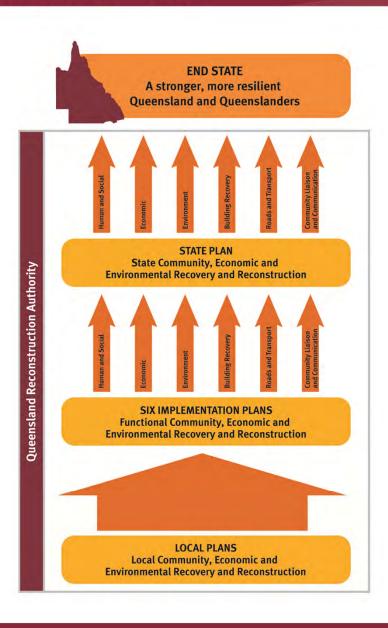
**Insurance Claims:** 118 000 (\$3.6B)

	Disaster peak Nov 2010 – Mar 2011	Repair as at 16 May 2011	
Roads	9170 km state-owned road network affected	6627 km reopened	
Rail	4748 km state-owned network affected	4421 km operational	
Bridges & Culverts	89 bridges and culverts with major damage	64 reopened	
Schools	411	410 operating from original location	
Water supply	104 water schemes impacted	103 operating within approved standards	







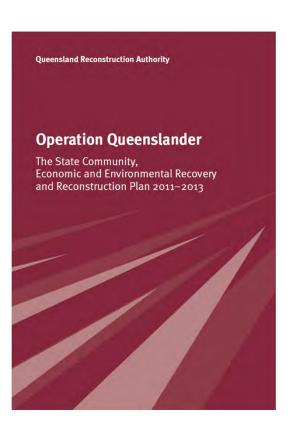


#### **Operation Queenslander: The State Plan**

Sets the framework to reconnect, rebuild and improve Qld and its economy

#### Three phases

- 1. Recovery (to June 2011)
- 2. Reconstruction (June 2011 Dec 2012)
- 3. Transition (Dec 2012 Dec 2013)

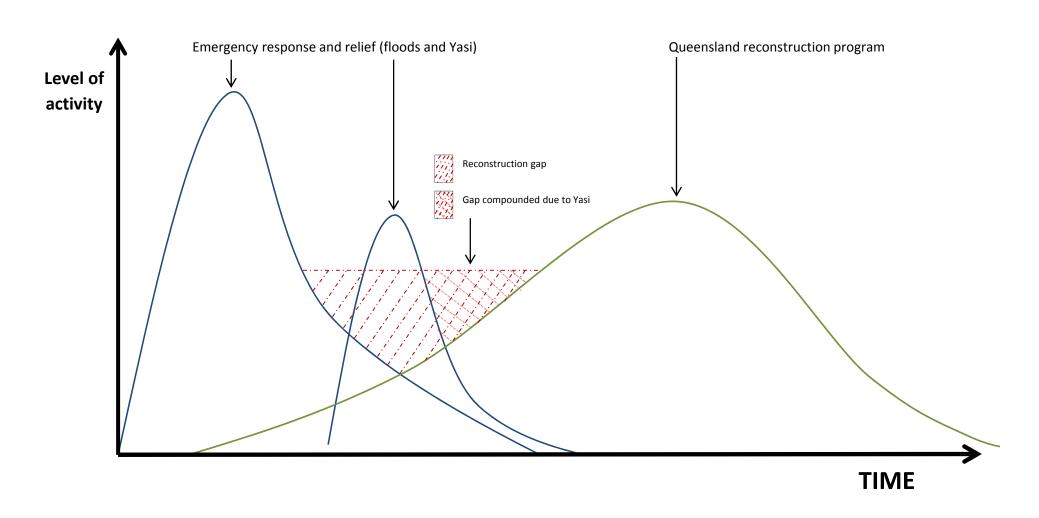




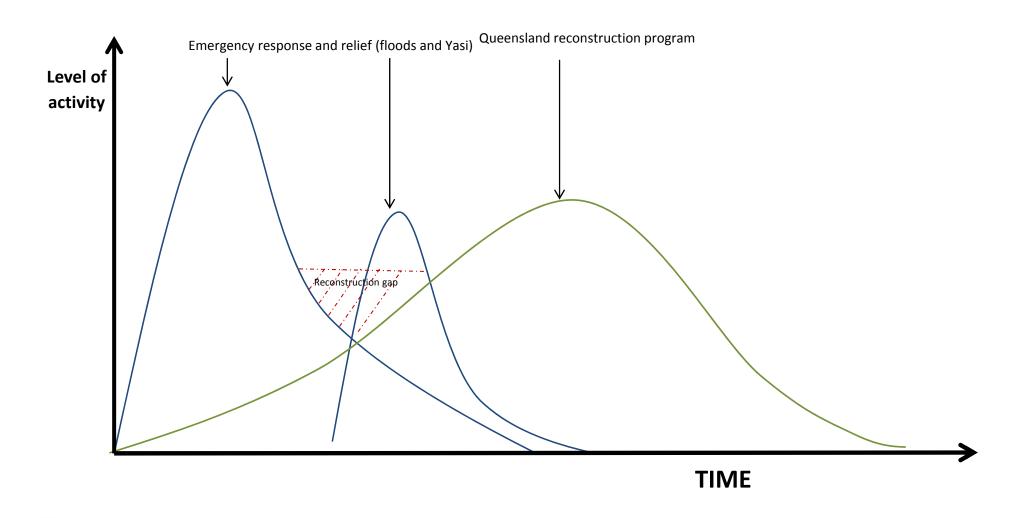
## **Opportunities for Research and Development**

- Limited R & D resources must be targeted to high payoff areas
  - Reducing the Reconstruction Gap
  - More Resilient Reconstruction
- Impossible to entirely disaster-proof Qld
- Reasonable disaster-immunity for key economic & supply routes
- Balance between infrastructure rebuild & need for resilience planning
- Forecasting in future disaster events
- Data tracking, quality, exchange and sharing
- Evolving building codes

# **Response and Reconstruction**



## Speed of Response determines the Reconstruction Gap



## **Opportunities for Research and Development**

- Limited R & D resources must be targeted to high payoff areas
  - Reducing the Reconstruction Gap
  - More Resilient Reconstruction
- Impossible to entirely disaster-proof Qld
- Reasonable disaster-immunity for key economic & supply routes
- Balance between infrastructure rebuild & need for resilience planning
- Forecasting in future disaster events sensors, records and forecasting
- Data tracking, quality, exchange and sharing
- Evolving construction techniques



## **Draft NQ Guidelines**

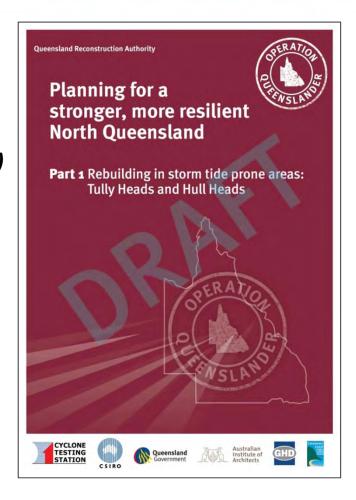
Part 1: Rebuilding in Storm tide prone areas (released)

Part 2: Wind Resistant Housing (in development)

**Proposed** 

Part 3 - Preparing for Cyclones (release Jul/Aug)

Part 4 - Building in low lying coastal areas













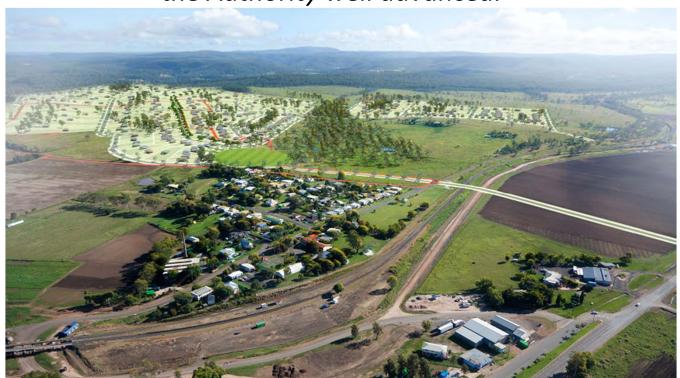




## **Relocation of Grantham Township**

First designated reconstruction area under the QldRA powers.

Community-led master planning process involving residents and community representatives, the Lockyer Valley Regional Council and the Authority well advanced.



















Rockhampton

Sunshine Coast



LOGAN

9

















Queensland

Government



Queensland

Government





Moreton Bay





















































Airports"











































































