

# Policy maker to policy taker

**Karen McPaul**

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Queensland Reconstruction Authority

# South-east Queensland mops up after giant hail smashes homes, leaves thousands without power

By Jessica Rendall, Jason Dasey, Anna Hartley and Tara Cassidy

1 Nov 2020 at 5:44am, updated Sun 1 Nov 2020 at 11:24pm



South-east Queensland hit by very dangerous thunderstorms as hail up to 14cm pummels the region

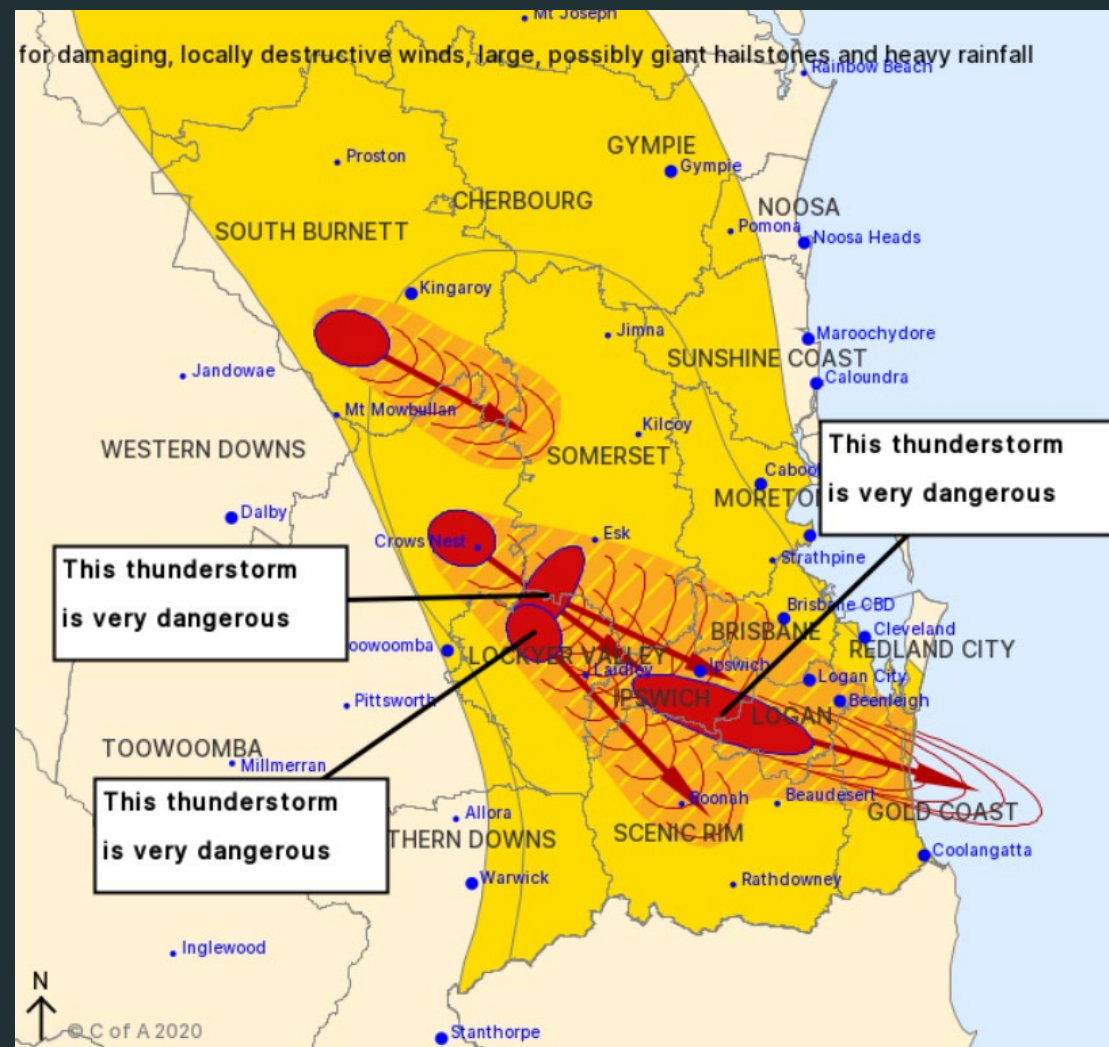
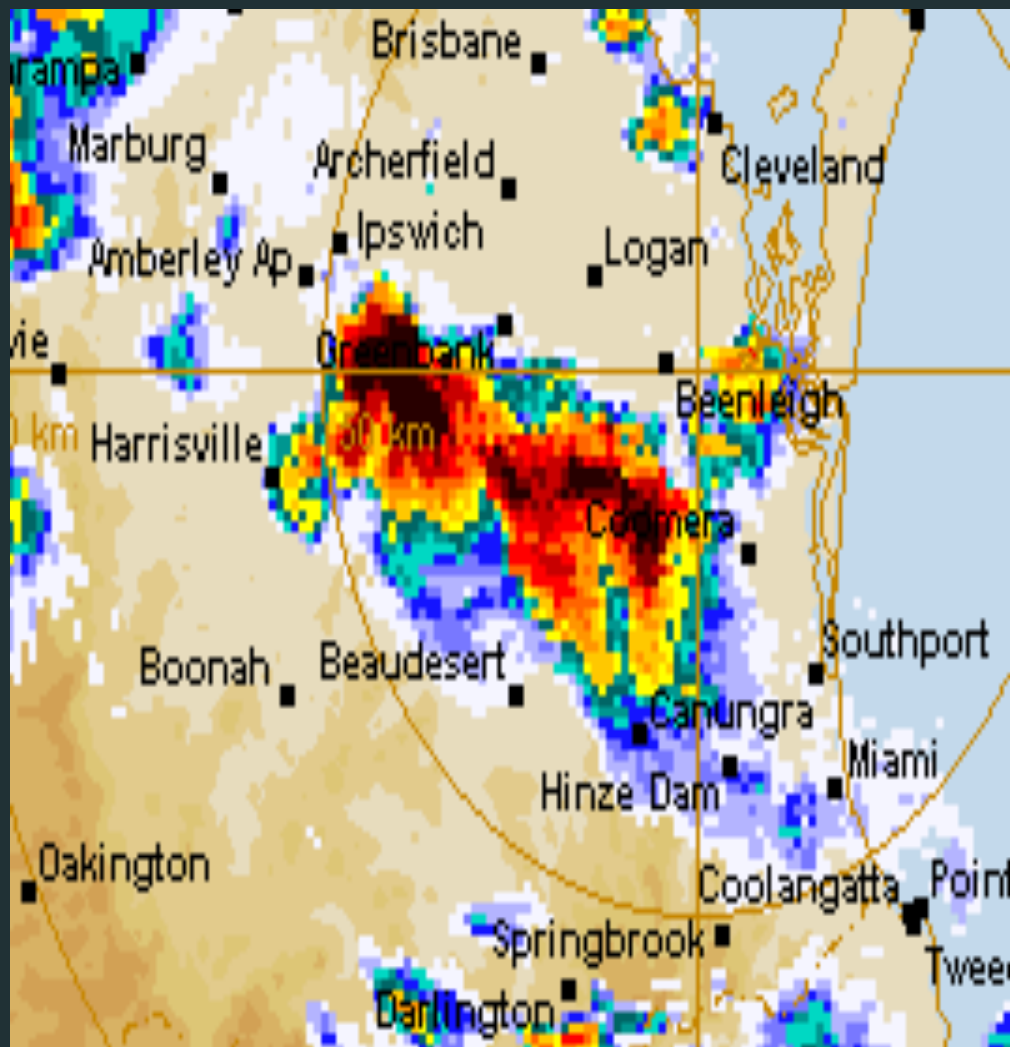
Posted Sat 31 Oct 2020 at 2:30pm, updated Sun 1 Nov 2020 at 12:26am

7NEWS

'Life threatening storms' slam south-east Queensland, bringing giant hail and destructive winds

Angus Ledwidge • 7NEWS

Published: 31/10/2020 • Updated: Saturday, 31 October 2020 9:05 PM AEDT



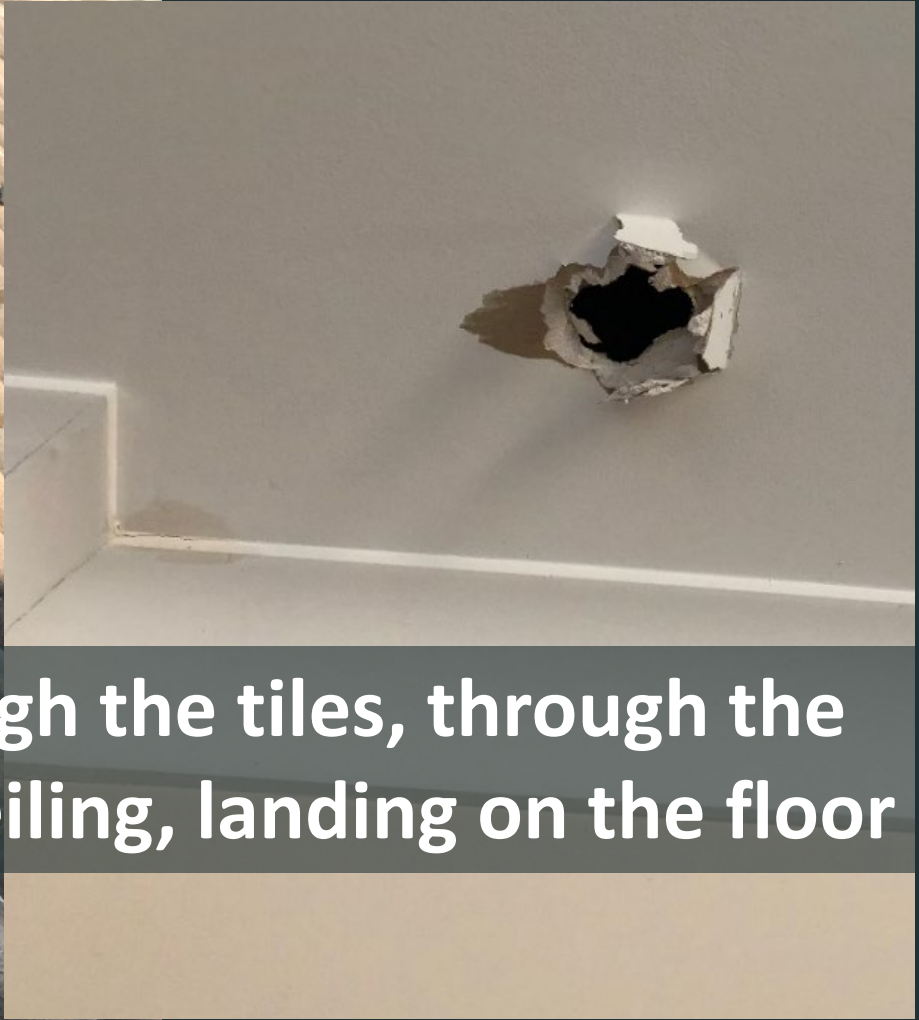
There were multiple warnings on the day



**Hail was up to  
14 cm in diameter**

Here was another use  
for shopping bags when all  
the tarps at Bunnings were sold





**The hail smashed through the tiles, through the roof cavity and plaster ceiling, landing on the floor**



**This is my eldest daughter's bedroom that collapsed on Sunday morning.**

**We stayed in the house on Saturday night, but we thought her ceiling looked abit questionable, so she stayed in her sister's room.**













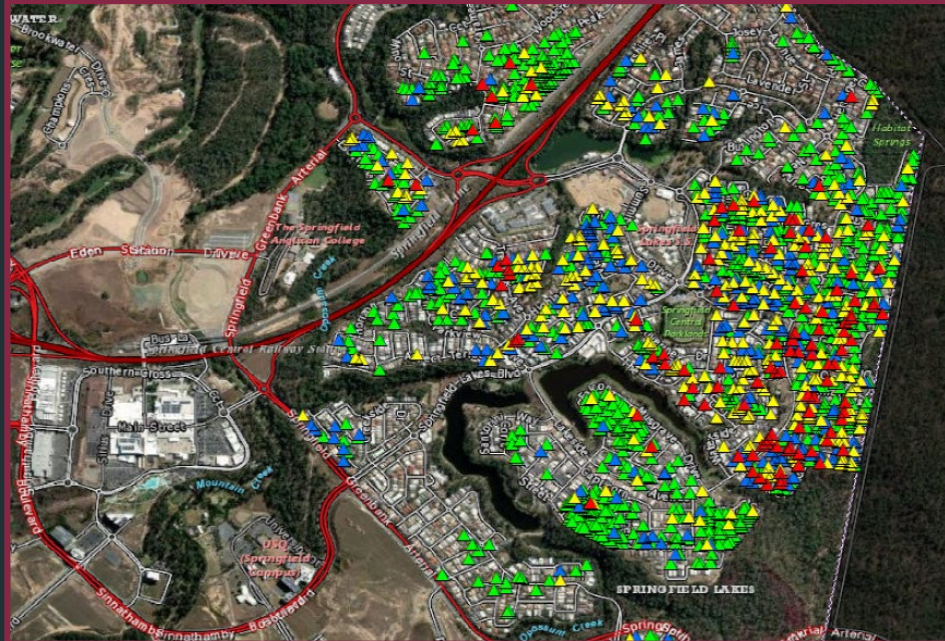
60



Understand initial impact

Monitor progress of recovery

Guide activation of funding

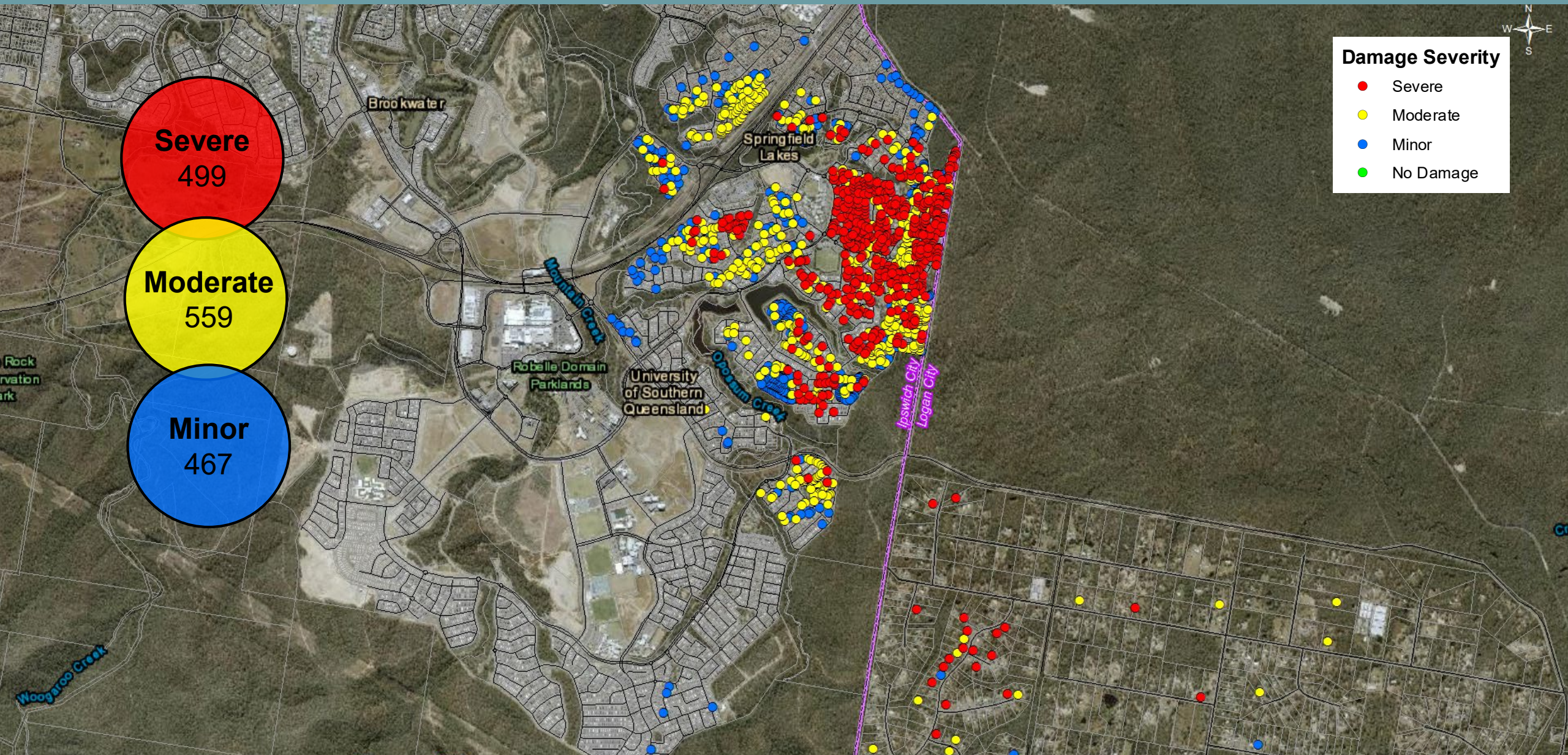


Capture rebuilding progress

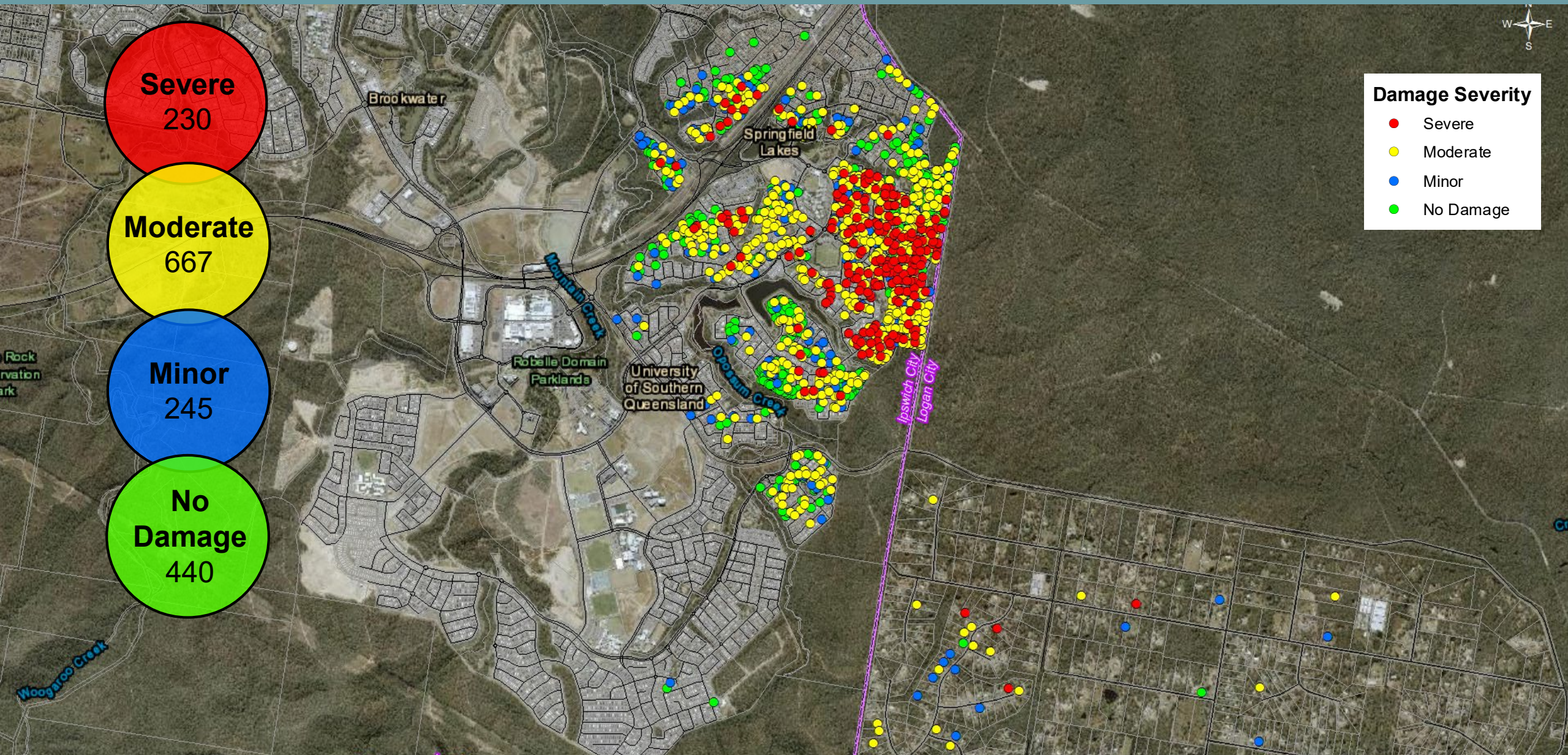
Identify vulnerabilities in recovery

Identify barriers to recovery

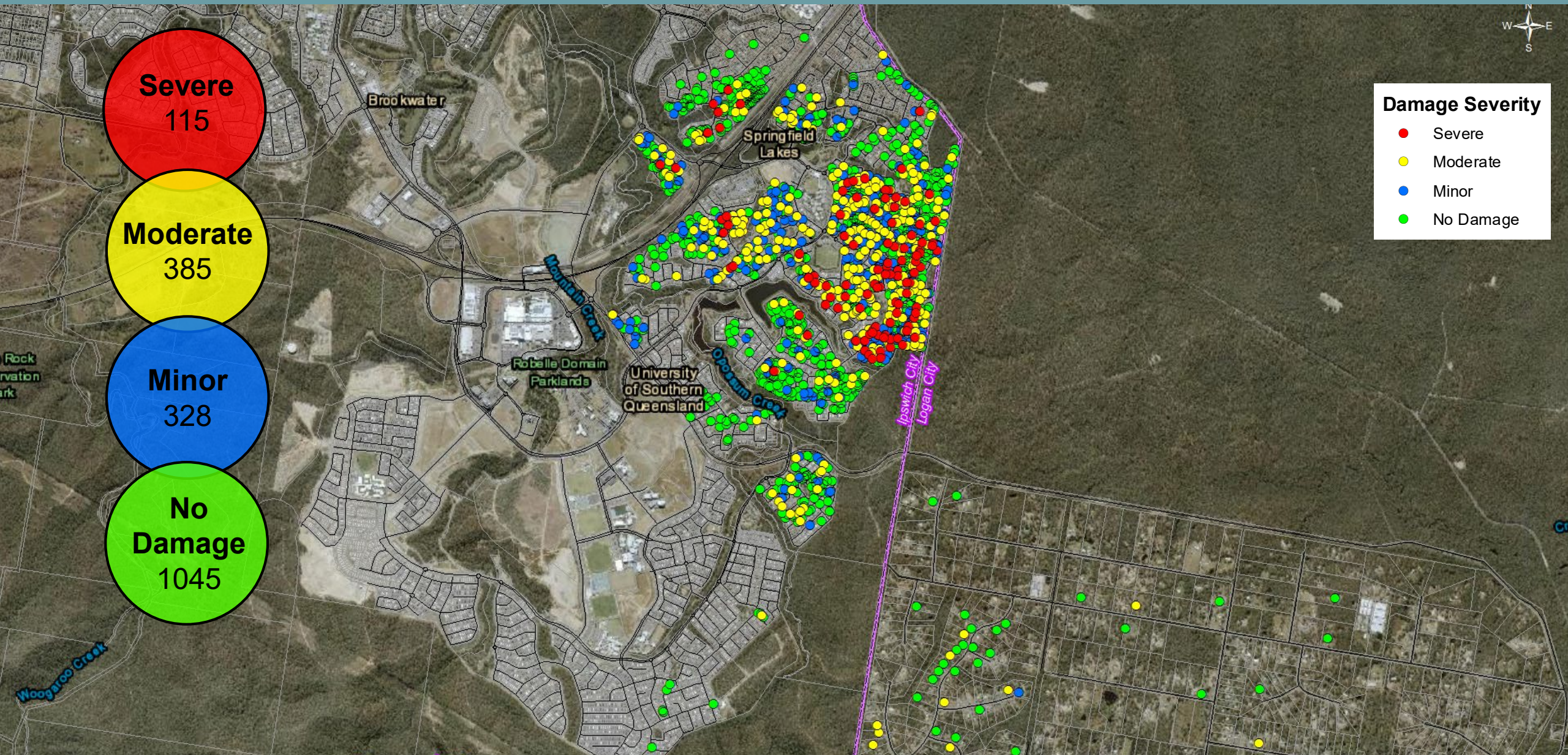
# Ipswich region - Initial Damage Assessments: October 2020



# Ipswich region - Operation Willow I: February 2021

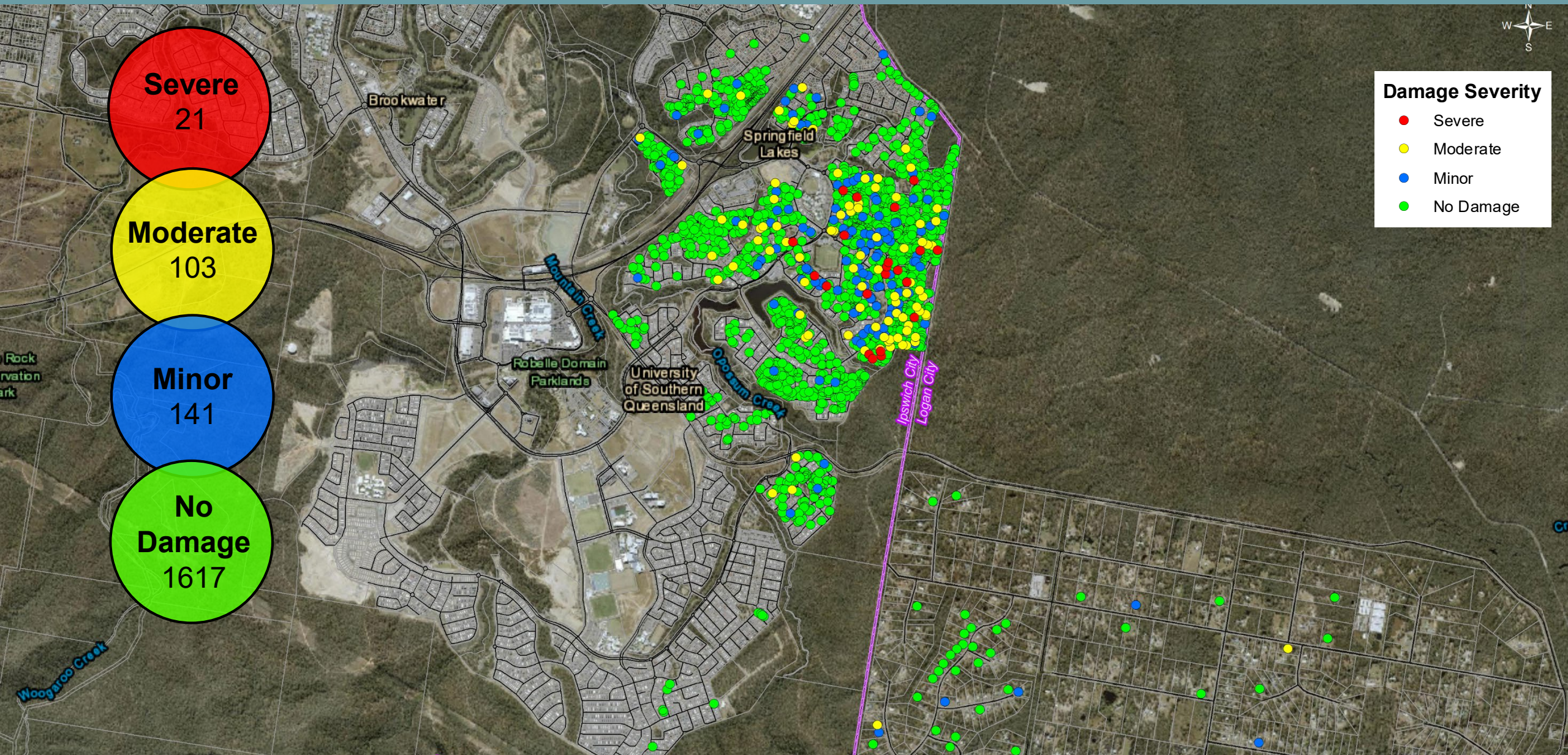


# Ipswich region - Operation Willow II: May 2021





# Ipswich region - Operation Willow III: September 2021



February 2021

704

May 2021

194

September 2021

28

Community  
Recovery

335

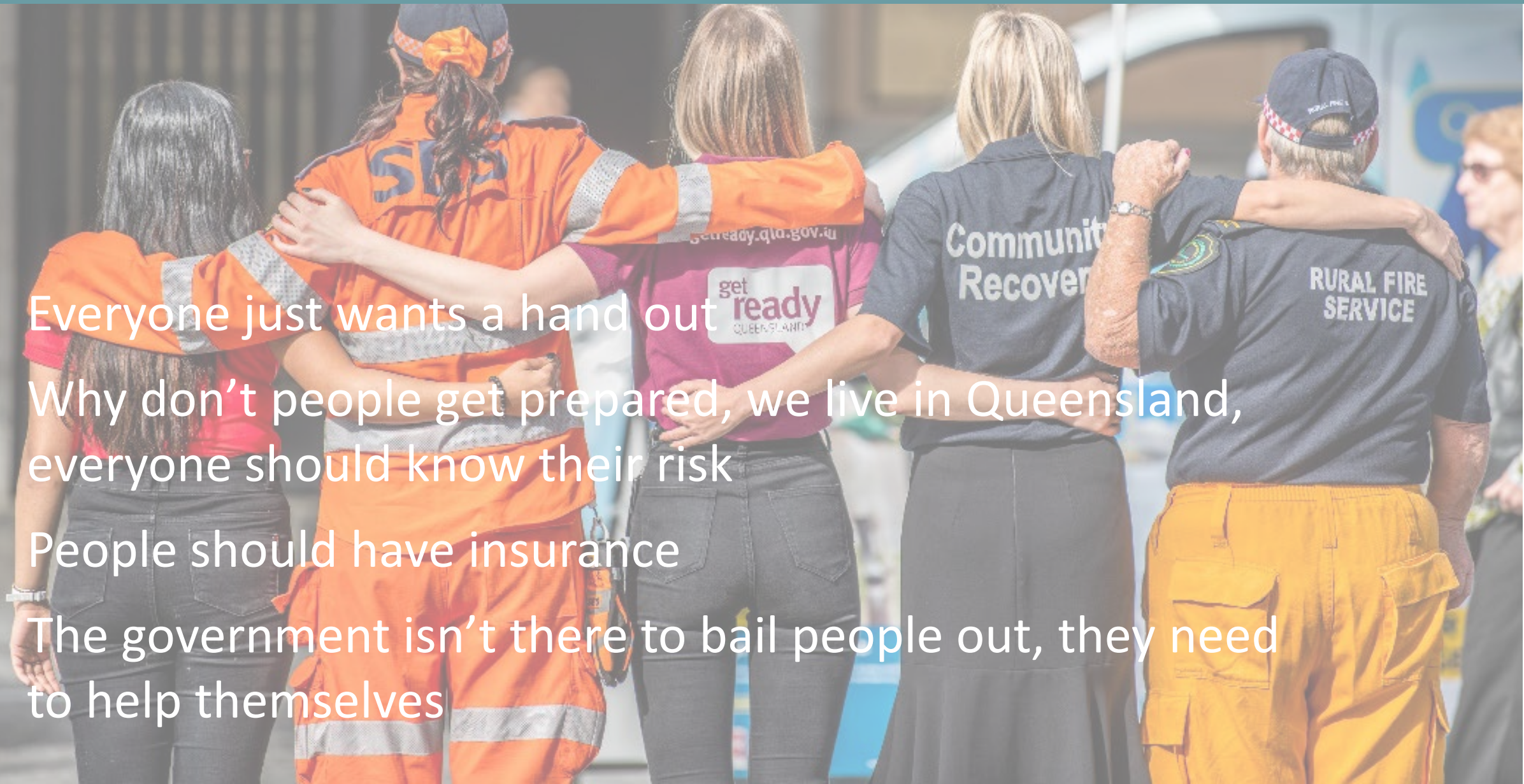




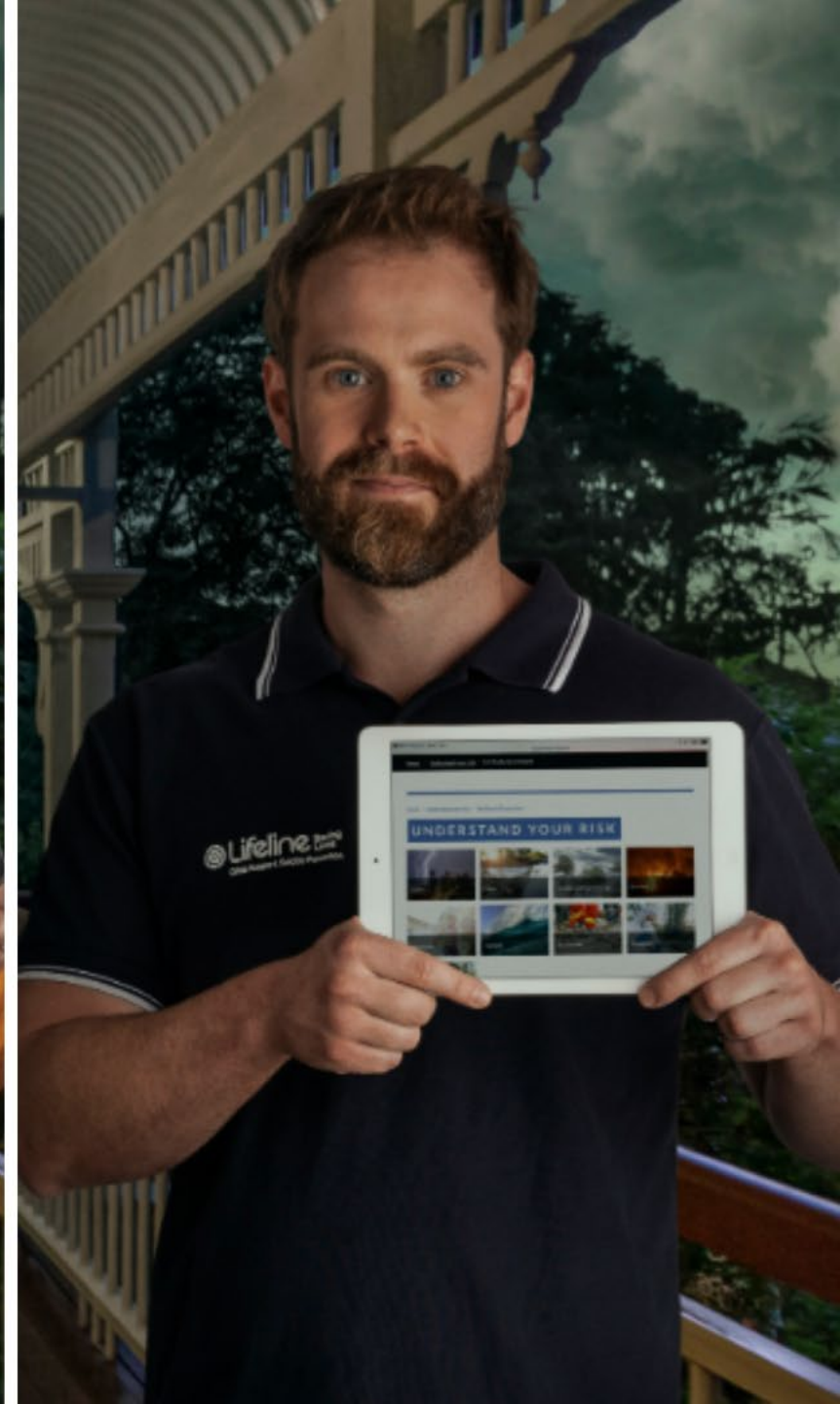
Are you vulnerable?

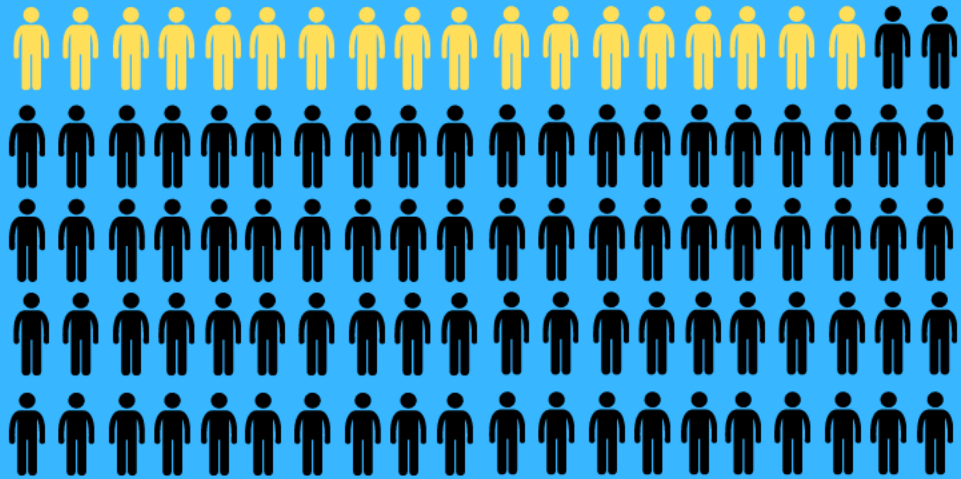
# What are your biases?

- Everyone just wants a hand out
- Why don't people get prepared, we live in Queensland, everyone should know their risk
- People should have insurance
- The government isn't there to bail people out, they need to help themselves









2013

18% of Queenslanders had an emergency plan




2020

57% of Queenslanders have an emergency plan



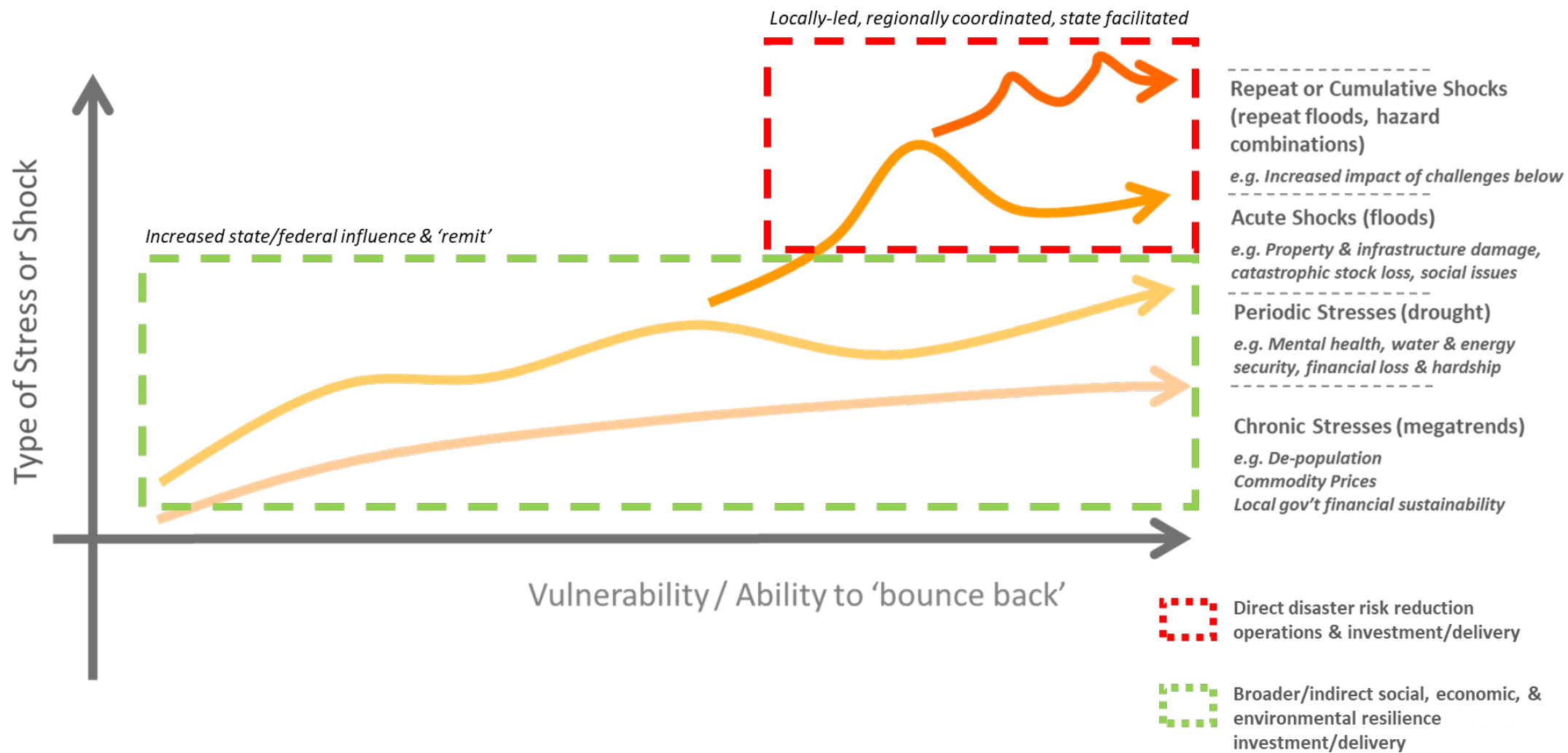
**36% of Queenslanders believe they have a low disaster risk.**



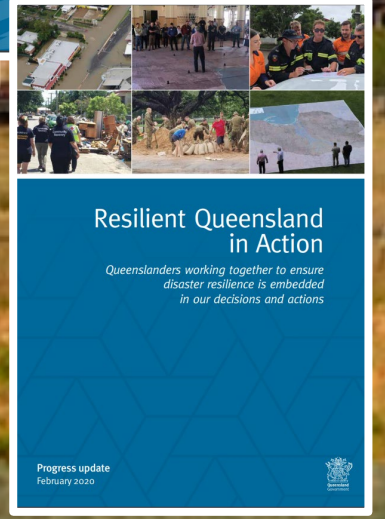


**44% of Queenslanders  
won't prepare until a  
disaster is already  
approaching.**

# Understanding stresses and shocks



Planning for resilience



# Queensland Strategy for Disaster Resilience 2017

*Making Queensland the most disaster resilient state in Australia*

# Resilient Queensland | 2018-21

Queenslanders are disaster resilient when...

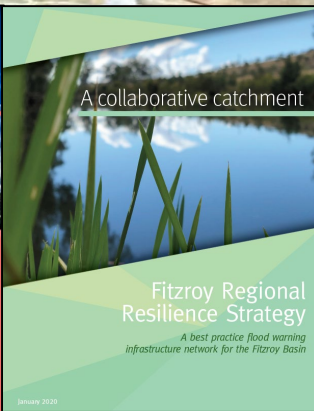
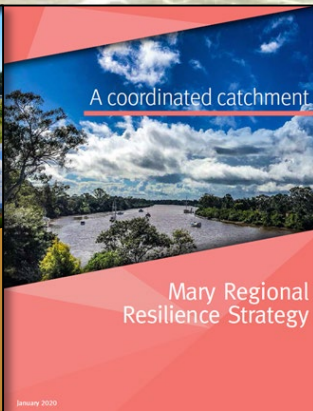
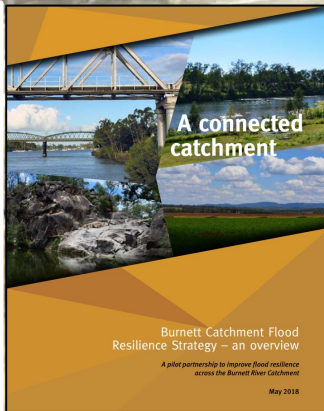
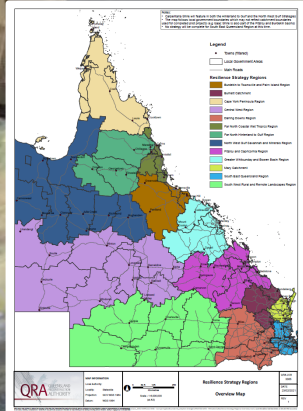
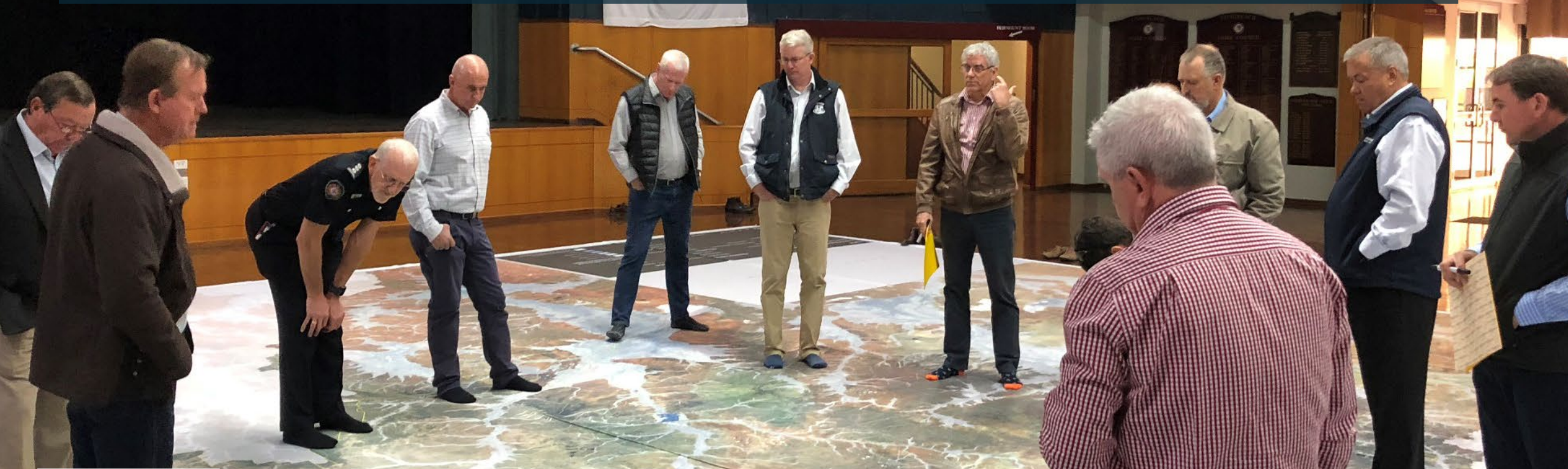


**we work together  
to better manage  
disaster risk**



**we continually  
improve how we  
prepare, respond  
and recover from  
disasters**

# Regional resilience strategies for every region in Queensland



# Resilient homes

Flood Resilient Building Guidance for Queensland Homes

Logos: Get Ready Queensland, Somerset Regional Council, Ipswich City Council, Queensland Government.

Cyclone Resilient Building Guidance for Queensland Homes

Get Ready Queensland  
Preparing for a stronger, more Resilient Queensland

Logos: Get Ready Queensland, Cyclone Testing Station, Bushfire Natural Hazards CRC, James Cook University Australia, Queensland Government.

Storm Tide Resilient Building Guidance for Queensland Homes

Get Ready Queensland  
Preparing for a stronger, more Resilient Queensland

Logos: Get Ready Queensland, Cyclone Testing Station, Bushfire Natural Hazards CRC, James Cook University Australia, Queensland Government.

Bushfire Resilient Building Guidance for Queensland Homes

Logos: CSIRO, Queensland Government.



Australian Government  
Department of Home Affairs

# DISASTER RECOVERY FUNDING ARRANGEMENTS 2018



# Investing in resilience

Betterment – building back better



Before betterment



Betterment completed



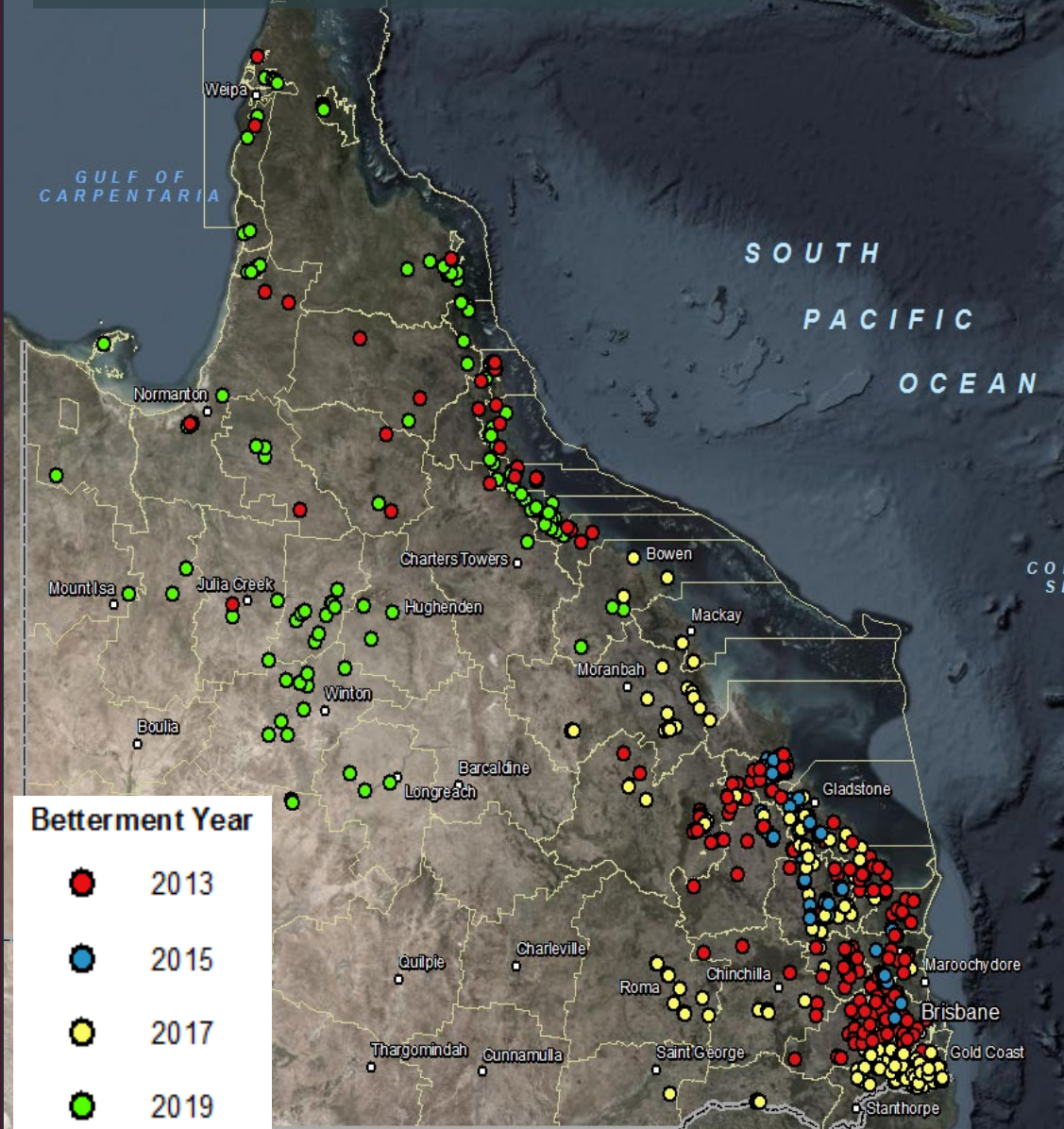
Fully functional after Severe Tropical Cyclone Debbie



104 betterment projects with a value of \$100 M approved and currently in development

# Investing in resilience

Betterment – building back better



Flinders Highway, Hughenden



Lake Julius Road, Mount Isa



Coalbrook Road, Richmond Shire

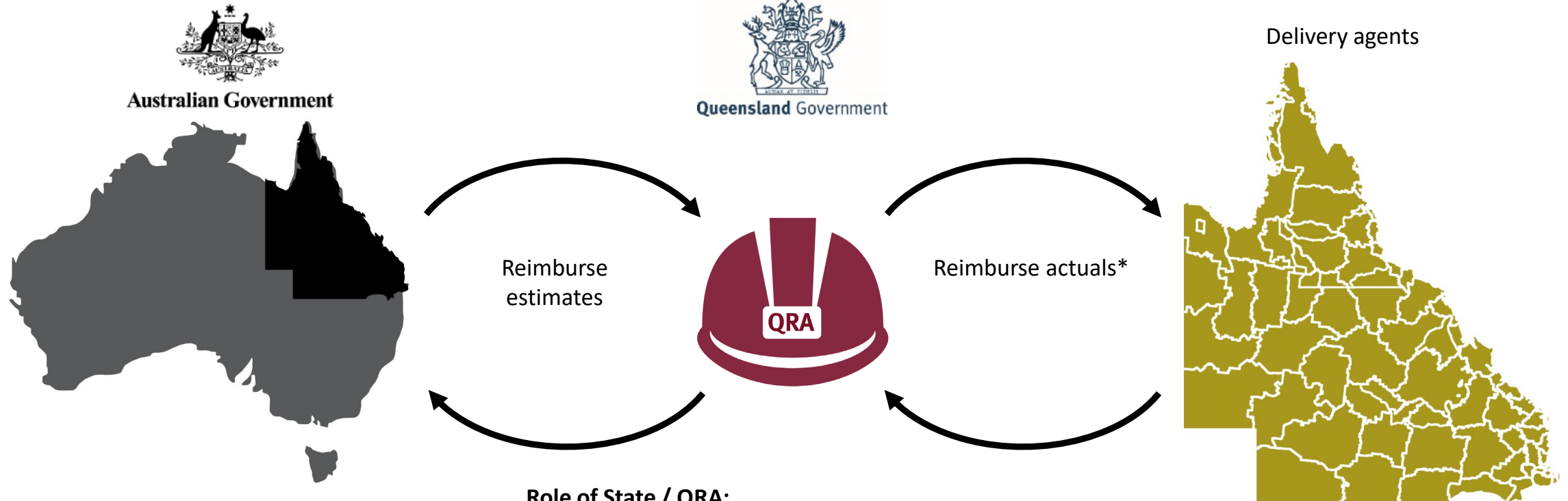
**370**  
completed  
Betterment  
projects



**\$145M**  
avoided  
from \$93M  
investment

# Queensland's administrative arrangements

## Disaster Recovery Funding Arrangements (DRFA) - Reconstruction of Essential Public Assets (REPA)



### Role of State / QRA:

- Approve Estimated Reconstruction Cost including variations
- Manage risk and program contingency
- Assess and allocate program efficiencies

*\*Within Queensland's overall DRFA program value*

# We've reached a tipping point

damage to  
public assets  
**\$16.8B**  
since 2011



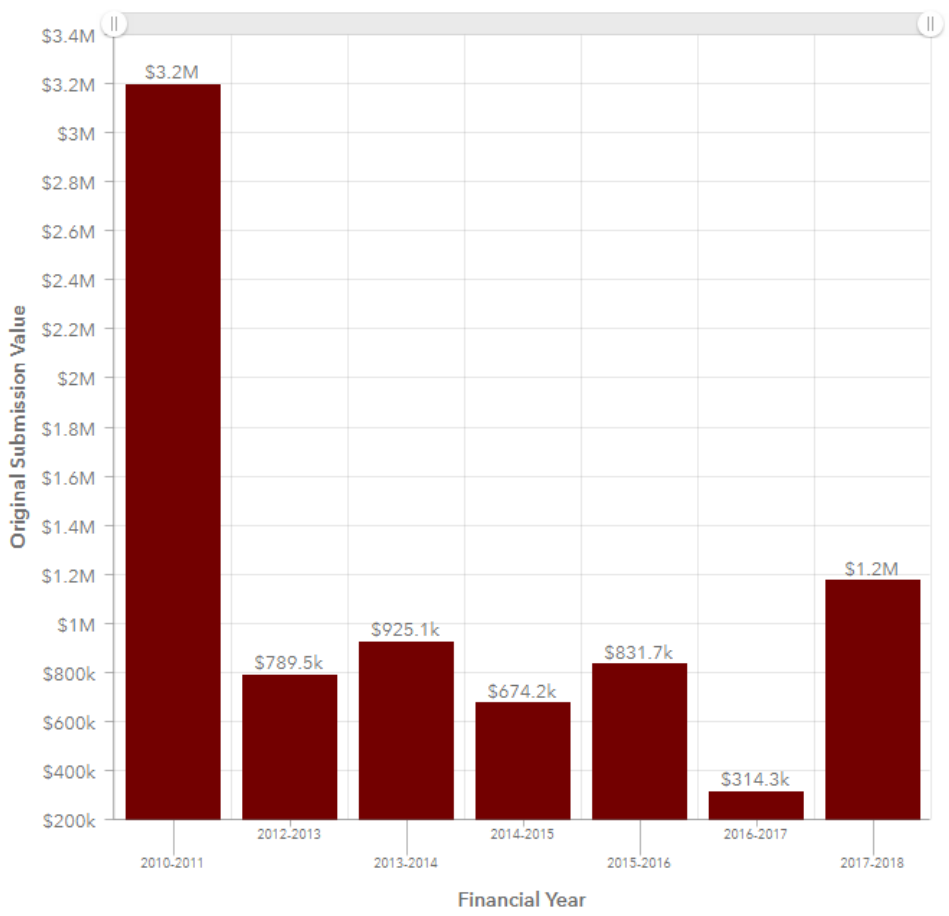
estimated  
damage forecast  
**\$18.3B**  
per year  
by 2050



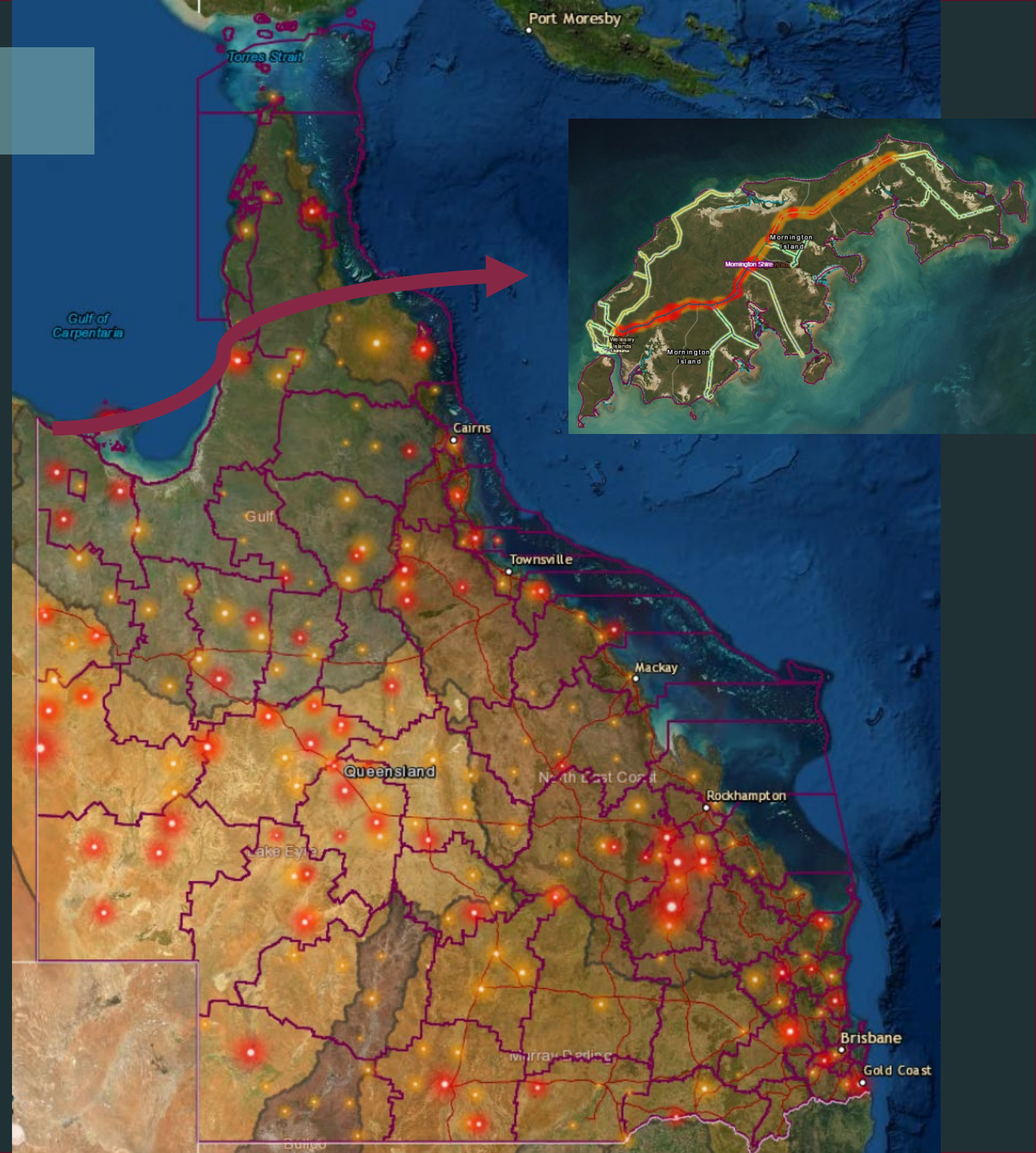
# Repeat Events and Dollars Index (REDI)

Total value of REPA Line Items  
**\$7,903,735**

Value of REPA Line items Submissions per Financial Year



Click on one or more bars on this chart to filter this Dashboard to the selected Submission(s). Click again to clear filter.  
Use scroll bar to resize bars.



## Moving time

We moved into our new home earlier this year.

It has a Colorbond roof and two storeys.

I won't be getting on this roof with a giant tarp.





Australian Government

Australian Institute for  
Disaster Resilience



#ADRC21



Resilience  
NSW