22nd International Riversymposium

Graeme Milligan / 21 October 2019
“Your governance picks up on multi-discipline, multi-organisation and multi-benefits.”

“Some mitigation measures don’t stack up until you add water quality and biodiversity to the equation. Keep thinking about integrated approaches.”

“Flooding is a good and natural process. Think of it as a spring cleaning for the river.”

“We put a layer of our values on risk so it’s difficult to put a priority on what acceptable and not acceptable risk is.”
Brisbane River Strategic Floodplain Management Plan
An historic project for Queensland

www.qra.qld.gov.au/BRCFS
Our shared vision

“Working together to strengthen the flood resilience of our communities, our economy, our infrastructure and our environment.”
The success of integrated catchment planning is influenced by several key elements:

• recognising and balancing the relationships between cause and effect, impacting on people, property, infrastructure and ecosystems within a catchment

• a coordinated approach from all levels of government

• community and private enterprise engagement.
Desired Outcome 9 - Landscape management across the catchment contributes to flood risk reduction.

- The relationship between landscape management activities and changes in rainfall runoff are currently not well understood.
- Two sensitivity scenarios considering the potential benefit from a reduction in catchment inflows of 5% and 10%.
- Assessed through a multi-criteria assessment.
- Five landscape management recommendations committed to in the SFMP.

Figure 7.7  Peak Level Difference for 10% Peak Flow Reduction - 1:20 AEP
Next Steps

Implementing the Strategy

Developing Local Floodplain Management Plans

52 Strategic actions for coordinated approaches to flood resilience

14 Entities with actions

17 actions have state-wide benefits

State and local governments are committed to delivering the actions

Five year review
Burnett Catchment Resilience aspirations

- **Resilient society**: We recognise and live comfortably with the prospect of flood as a part of life.

- **Resilient economy**: We strengthen our local economy against flood impact.

- **Resilient environment**: We help our environment to recover quickly from flooding – naturally and sustainably.

- **Resilient settlements**: Our built environment – our settlements and infrastructure – is the foundation upon which our communities thrive and prosper.
Burnett Catchment Flood Resilience Strategy

- QRA, local governments and state agencies came together to create a long-term plan to manage the impact of future flood and enhance community safety and resilience in the Burnett River Catchment.
- It was successfully completed in May 2018 and provides a consistent and coordinated approach to managing flood risk across the four local councils located within the catchment.
- Implementation of the strategy is being overseen by the Wide Bay Burnett Regional Organisation of Councils.
### Queensland Strategy for Disaster Resilience

**As Queenslanders, we are disaster resilient when:**

1. **we understand the potential disaster risks we face**
   - Build redundancy into infrastructure
   - Focus on improving gaps in power and telecommunications over time
   - Take opportunities to improve asset resilience in upgrade and renewal processes

2. **we work together to better manage disaster risk**
   - Connect disaster management into land use planning
   - Develop in a risk-responsive way, accounting for evacuation, isolation and inundation
   - Resilience in asset management and renewal

3. **we seek new opportunities to reduce disaster risk**
   - Connect people to each other
   - To improve health and wellbeing

4. **we continually improve how we prepare for, respond to and recover from disasters**
   - Develop a strategic environmental management approach, based on risk
   - Create programs that address regional risks such as waste, weeds and riparian vegetation
   - Enhance resource stewardship for economic and social sustainability

---

**Strategic pathways**

<table>
<thead>
<tr>
<th>Resilient Society</th>
<th>Resilient Economy</th>
<th>Resilient Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change the conversation</td>
<td>Understand and share the way the catchment and its systems work</td>
<td>Develop pathways for infrastructure resilience over time</td>
</tr>
<tr>
<td>Severe weather is a fact of life in the catchment, not an aberration</td>
<td>Improved data intelligence, monitoring and reporting</td>
<td>Make sustained improvements over time to support economic growth and community mobility</td>
</tr>
<tr>
<td>Enhance contextualisation of data and warnings</td>
<td>Enhance resource stewardship for economic and social sustainability</td>
<td>Enhance resource stewardship for economic and social sustainability</td>
</tr>
<tr>
<td>Speak in a language people understand</td>
<td>A sustainable environment means a sustainable economy</td>
<td>Business continuity planning as business as usual</td>
</tr>
<tr>
<td>Focus community awareness on risk, not just hazard</td>
<td>Empower the community to make better, risk informed decisions</td>
<td>Lead awareness and action by small and medium enterprises to anticipate shocks</td>
</tr>
<tr>
<td>Connect people to each other</td>
<td>To improve health and wellbeing</td>
<td></td>
</tr>
</tbody>
</table>

---

**Queensland Reconstruction Authority**
Sincere apologies to Credence Clearwater Revival!

Heard the climate’s changing, 🎵 🎵 how to build resilience?
It’s getting more urgent, we need to act now.
Still the rain kept pouring, falling on my ears.
And I wonder, still I wonder, who’ll stop the rain? 🎵