



# Response Opportunities for EDOs to Riverina Spring to Summer 21/22 Outlook

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[www.ses.nsw.gov.au](http://www.ses.nsw.gov.au)

# Orientation - Resilience, Antifragile, Exaptation

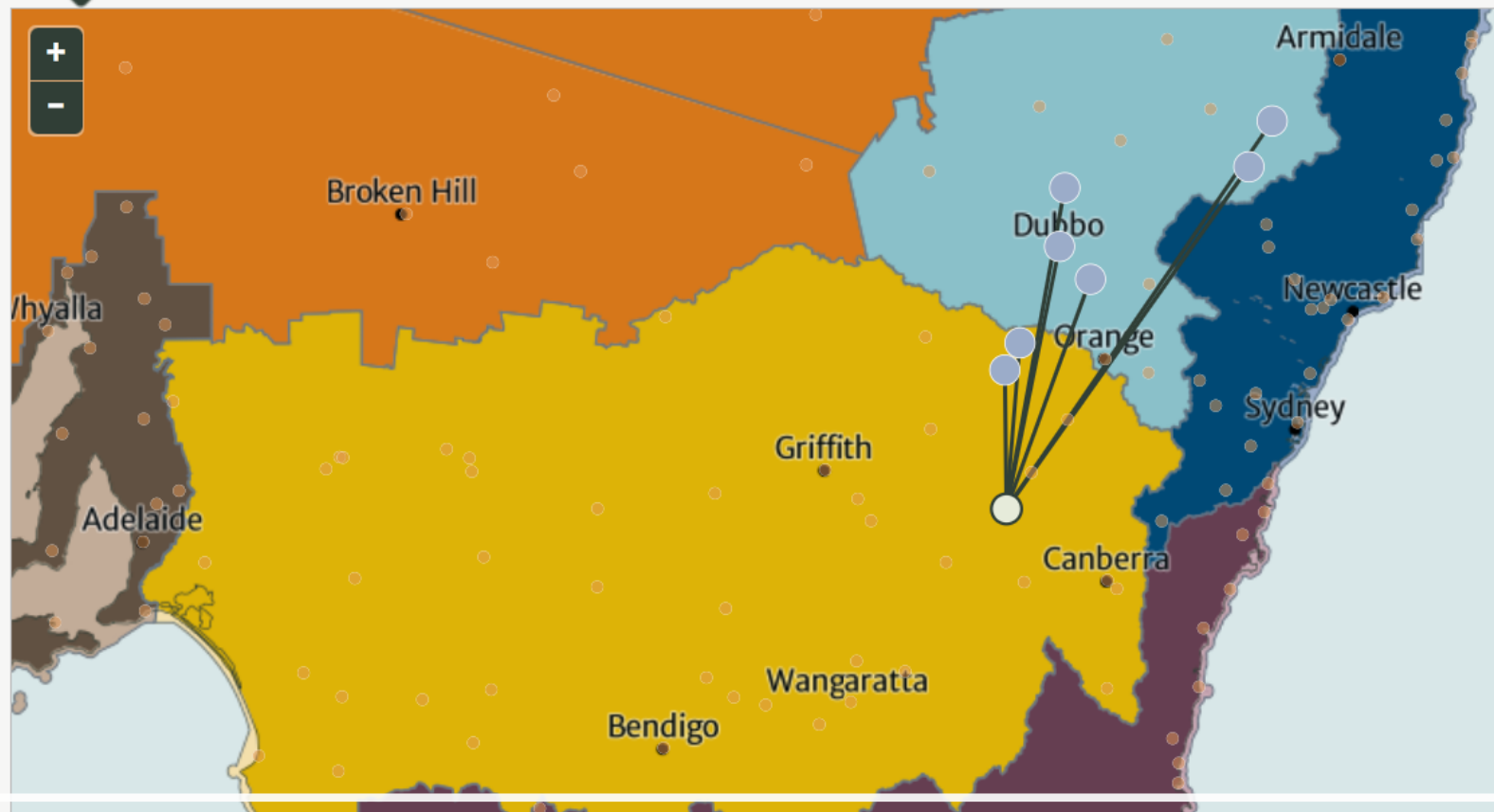


**Resilience** from Latin *Resiliens*, present participle of *resilire* "to rebound, recoil," from re- "back" (see re-) + salire "to jump, leap" ( Enduring the pandemic)

**Antifragile** - Antifragility is beyond resilience or robustness. The resilient resists shocks and stays the same; the antifragile gets better. (Ready to exploit crises / grain storage + pork)

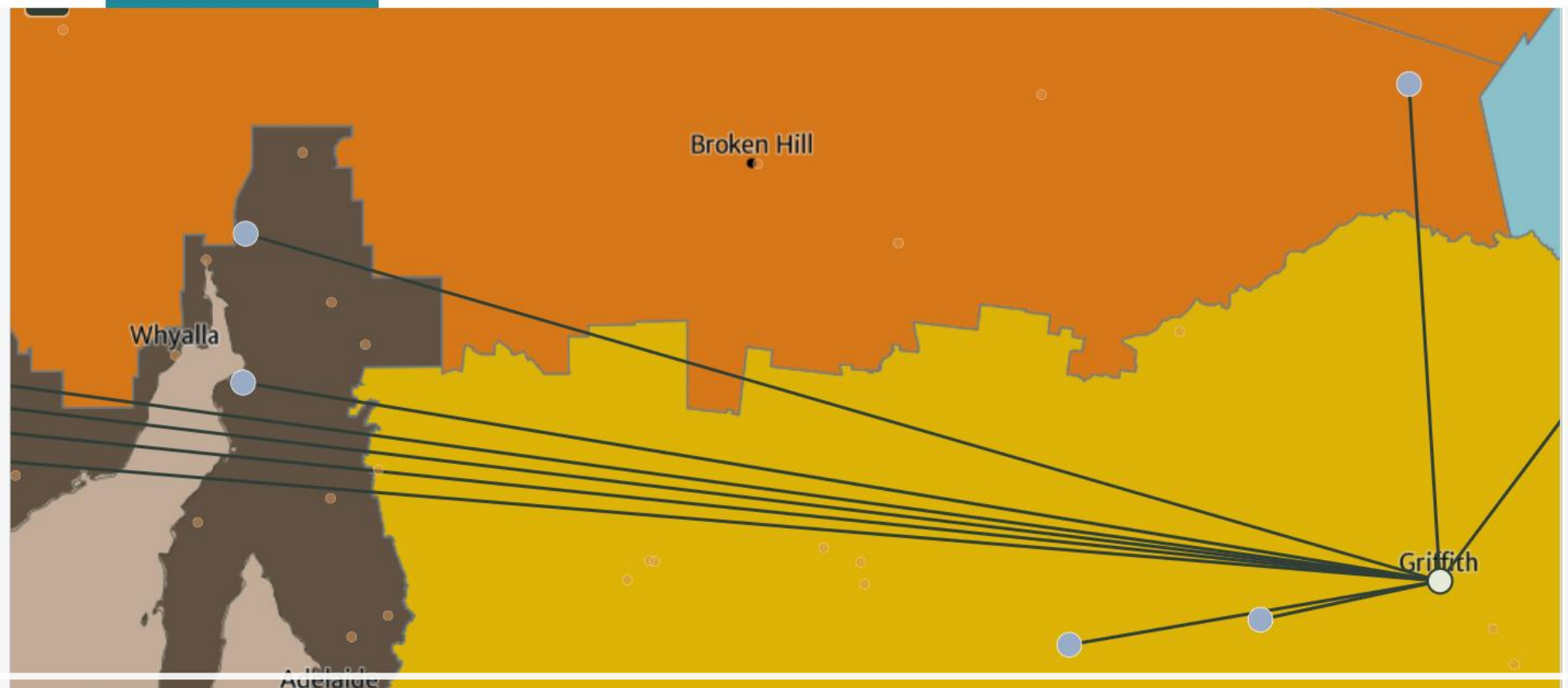
**Exaptation** - Exaptation describes a shift in the function of a trait during evolution. ( Scout Hall to Art Precinct to ???)

- Regional Climate Change Explorer +
- Climate analogues -**
  - [Analogues Explorer](#)
- Coastal & marine projections +
- Summary Data Explorer
- Extremes Data Explorer
- Thresholds Calculator
- Map Explorer
- Time Series Explorer
- Climate Futures Tool +



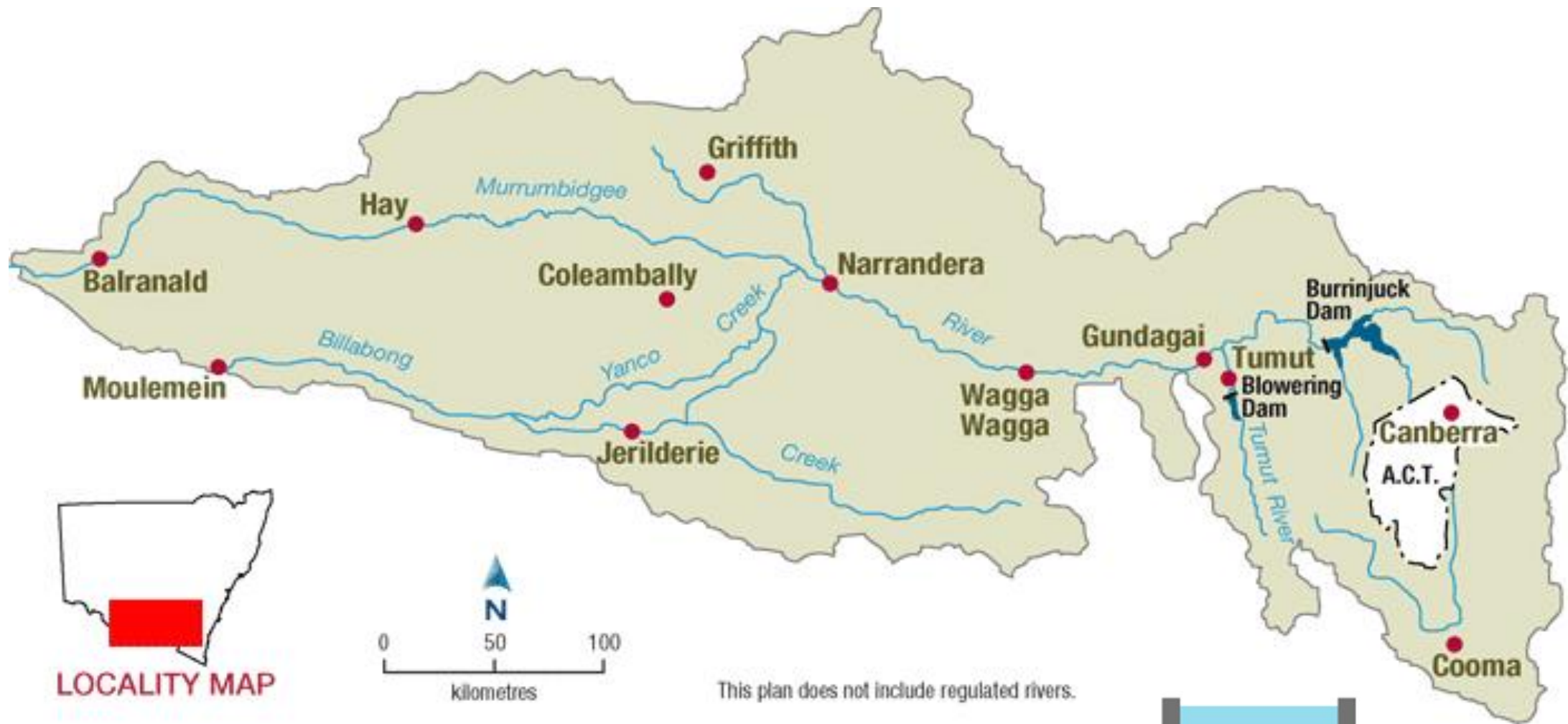
# 2050 Temora - Dubbo

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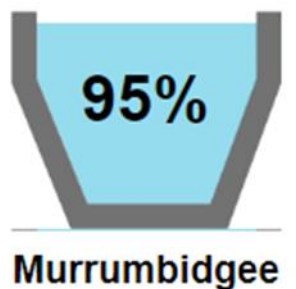


# Griffith 2050 – Port Augusta

Griffith



This plan does not include regulated rivers.



# Current Situation

LA NINA DECLARED

MOST GROUND IS HIGH to VERY HIGH SOIL MOISTURE

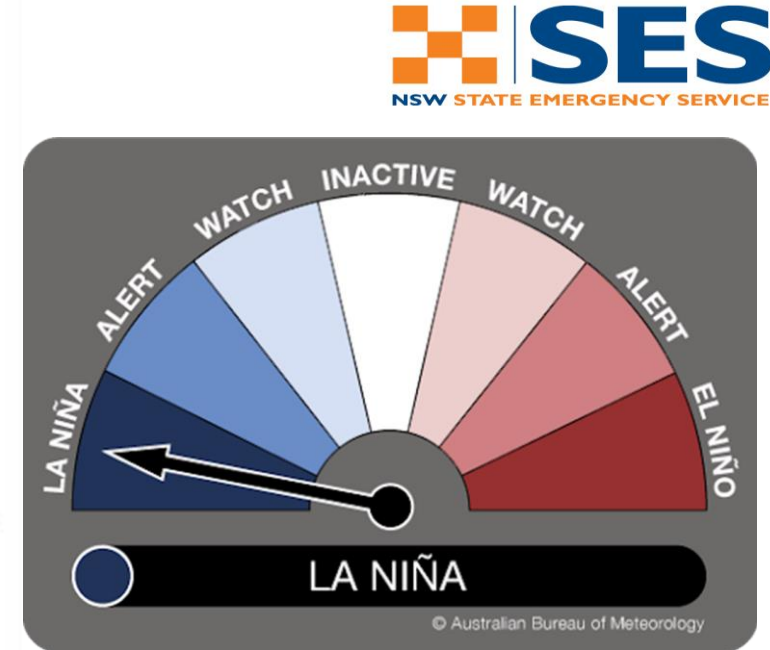
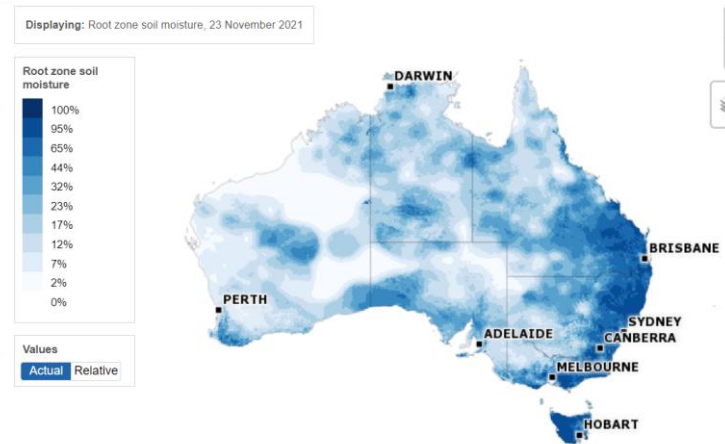
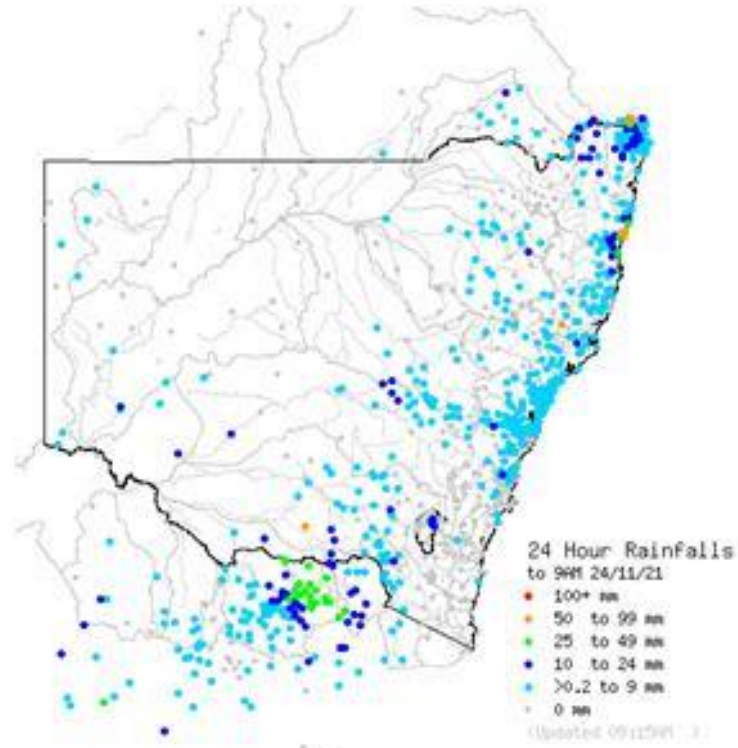
DAMS BEYOND OR CLOSE TO FULL

RIVERS CLOSE TO MINOR FLOOD

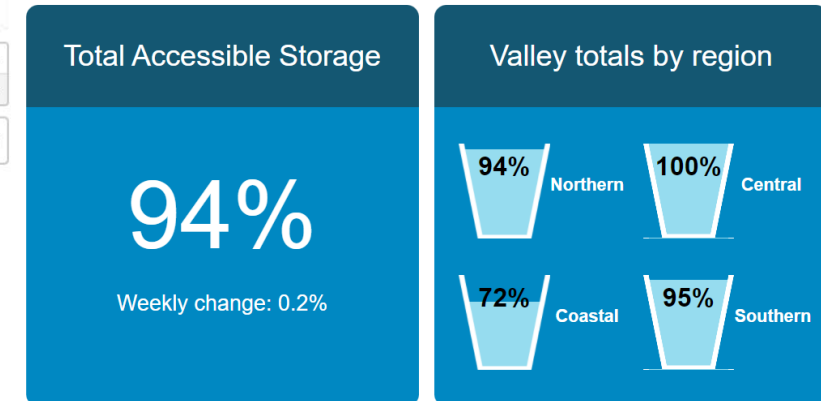
SHORT TERM FORECAST IS SEVERE WEATHER WITH FLOODS

MEDIUM IS WET TO VERY WET

REGIONAL FIRE OUTLOOK IS ABOVE NORMAL

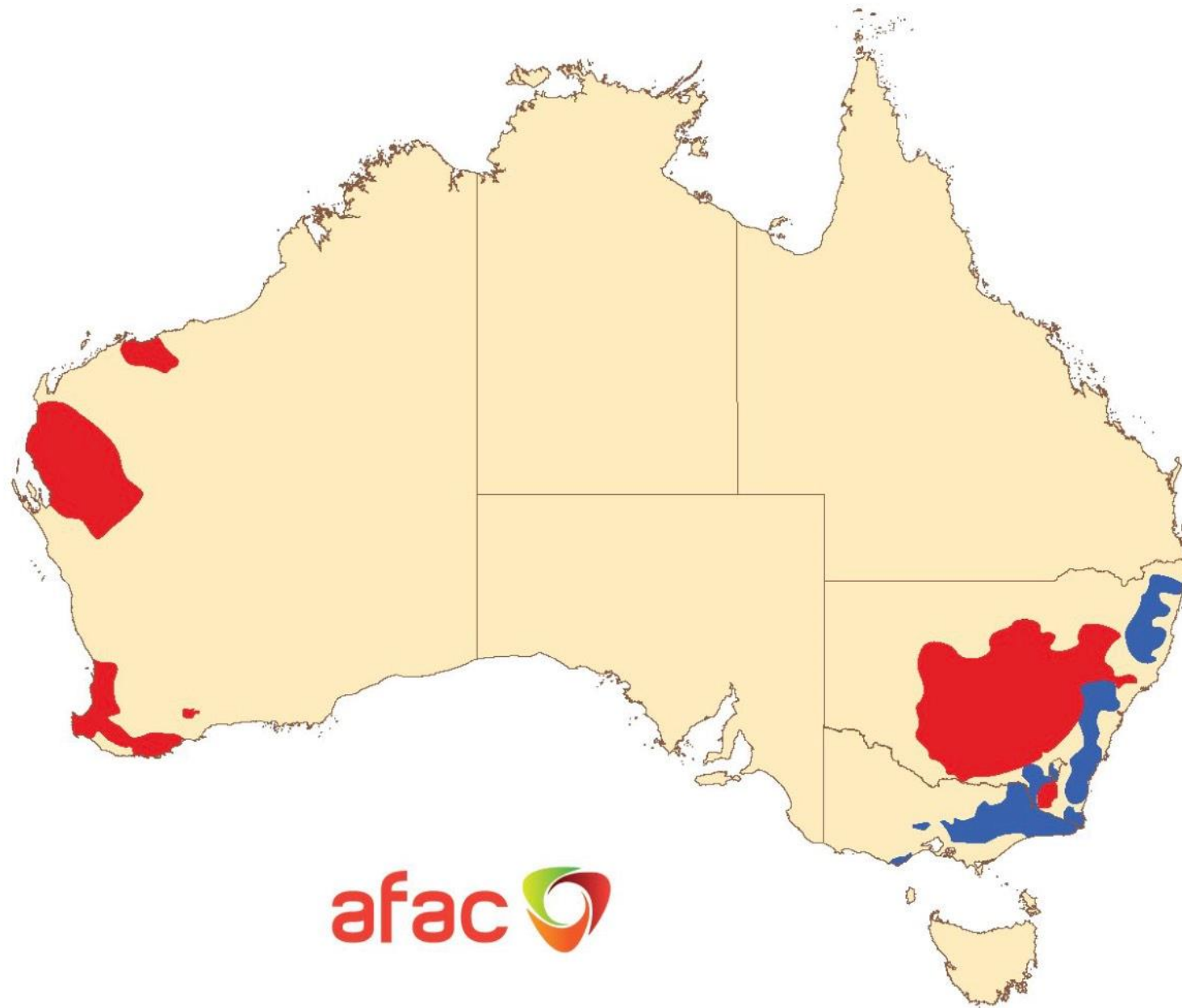
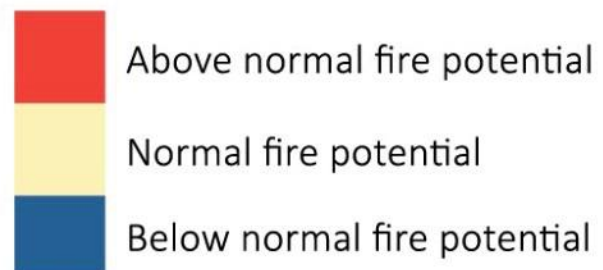


Regional NSW Total storage

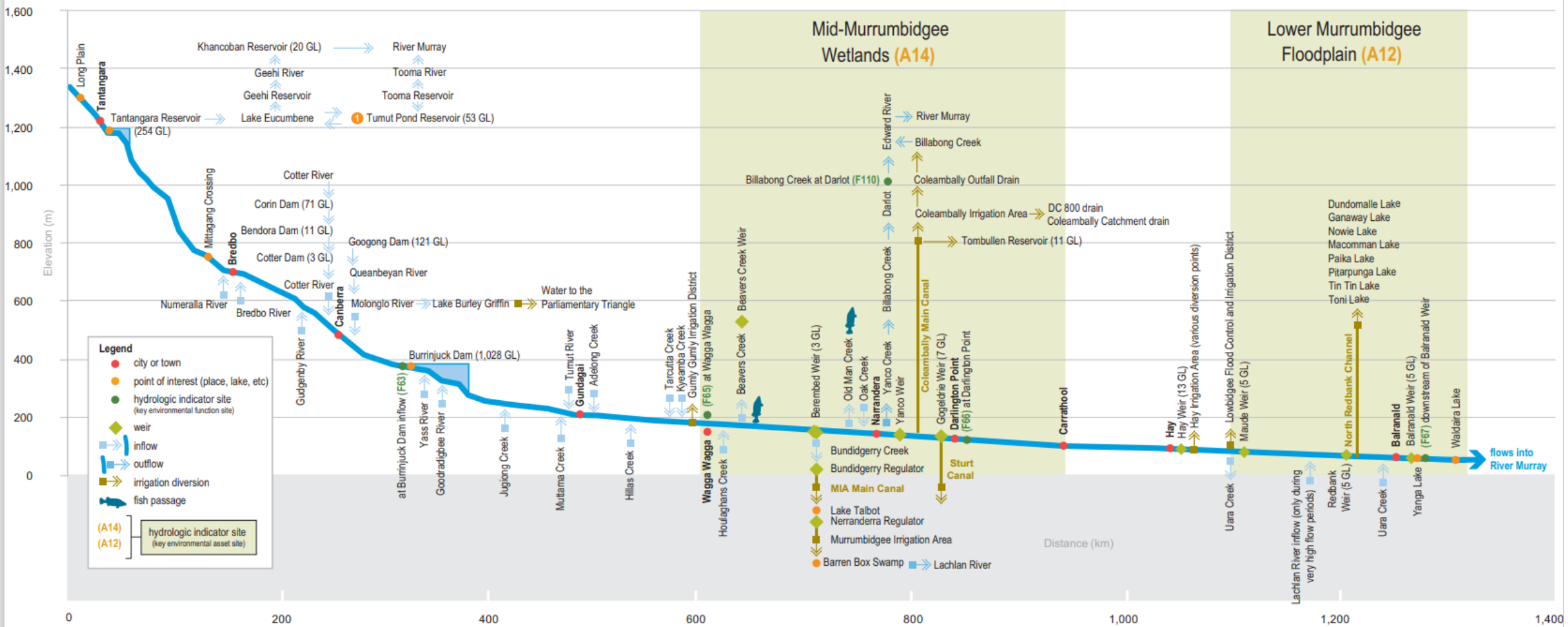


The total accessible storage of rural water supplies is 94% of the total accessible storage capacity. This was a 0.2% change since last week.

## Summer 2021



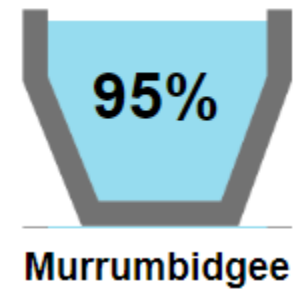
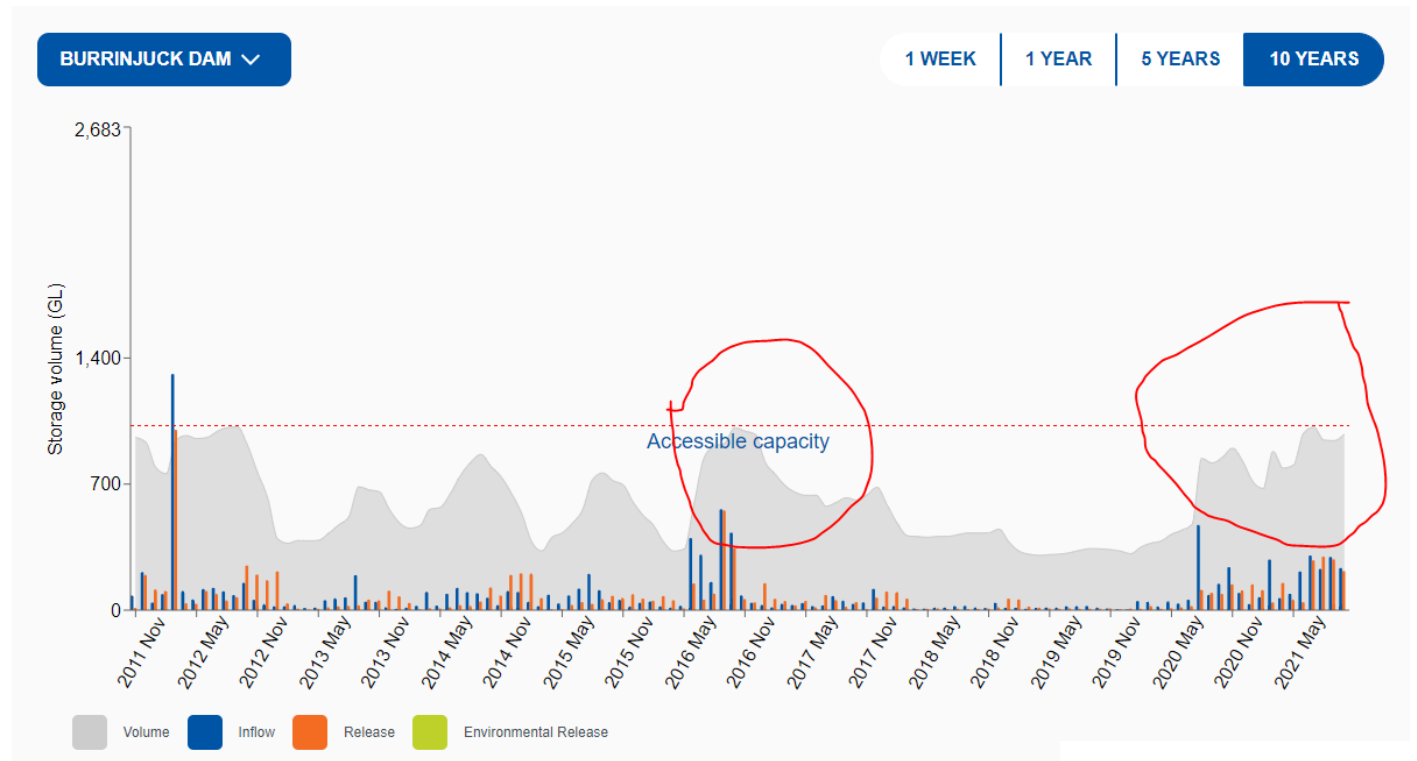
### Murrumbidgee River Profile



The average time it takes for water to flow down the Murrumbidgee from Burrinjuck Dam to the River Murray confluence is approximately 26 days

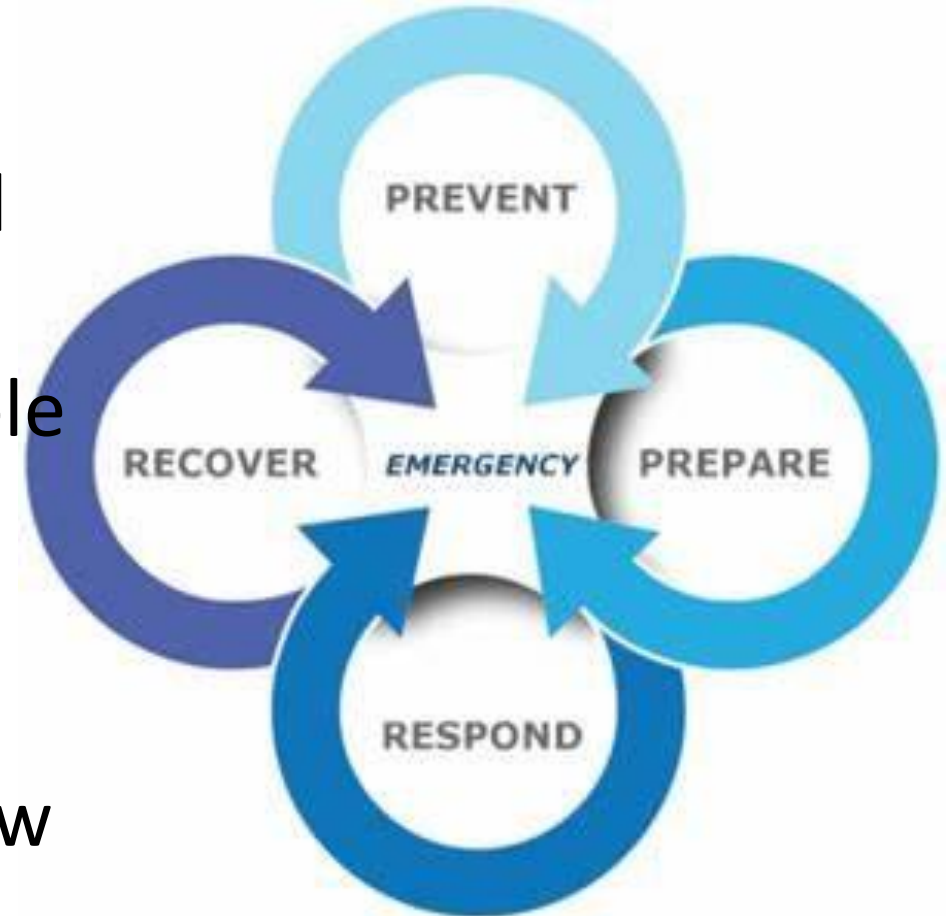


# Burrinjuck 10Yr Fill History



# So what?

- La Nina has been declared
- Economic resilience is critical for social resilience
- Action is continuous and across multiple horizons
- EDOs have a role to play across all elements
- Prevent, Prepare and Response are now critical



# What does a La Niña declaration mean

- **A La Niña event is now underway.**
  - This means La Niña is established in the tropical Pacific and is likely to persist until the end of January.
  - Typically during [La Niña events](#), cloudiness and rainfall become focused in the western tropical Pacific, leading to above average rainfall for eastern, northern and central parts of Australia.
  - The last significant La Niña was 2010–12. This strong event saw large impacts across Australia, including Australia’s wettest two-year periods on record, and widespread flooding in many parts of Australia.
  - This year's event is not predicted to be as strong as the 2010-12 event, and may be weaker than last year's 2020-21 La Niña event.
  - Every La Niña has different impacts, as La Niña is not the only climate driver to affect Australia at any one time. This is why it is important to use the Bureau’s climate outlooks as a whole to look at likely conditions for the months ahead
  - La Niña also occurred during spring and summer of 2020-21. A second La Niña event occurs around 40% of the time after an initial La Niña year.
  - La Niña also increases the chance of cooler than average daytime temperatures for large areas and increases the chance of tropical cyclones. Additionally La Niña results in earlier first rains of the northern wet season, as have already been observed in most regions of tropical Australia this year.

# The five-step plan

This is a tool that guides you through disaster preparation in five simple steps

01



## Know your risk

Identify the **disasters** that might face your business. If you're new to the area, it's really important to understand how you might be at risk so you can know what to expect.

02



## Plan now for what you will do

Sit down with your staff and use this step to **make an emergency action plan** so that everyone knows what needs to be done and by whom if a disaster strikes.

03



## Get your business ready

There are some really practical and easy actions you can take now to **prepare your business and plan for business continuity**.

04



## Be aware

If a disaster does strike, knowing where to look for up-to-date disaster information could help save you vital time. **Connect with key information sources now** to receive regular alerts.

05



## Look out for each other

Neighbouring businesses can be one of the best sources of information and help before, during and after a disaster. **Develop connections with local businesses** and commit to helping one another.

# NEXT STEPS

Print and read the Get Ready 5 step Guide <https://www.smallbusiness.nsw.gov.au/resources/get-ready-business-five-step-guide>

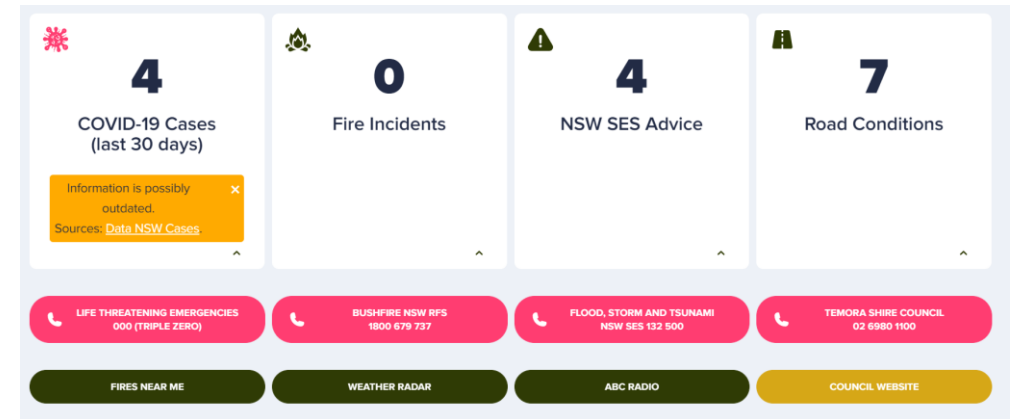
Check your risk on your local Disaster dashboard / Local Flood Plan

Check insurance /take physical actions

Talk with LEMO / LEMC

Consider developing a Resilience Network / Cache / Buddy Network

Seek Help



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