Australian Government
Bureau of Meteorology

Climate Resilient Water Sources

Alternative water sources are important for water security in Australia. Climate Resilient Water Sources provides information on two such sources—recycled and desalinated water—across Australia.

What is Climate Resilient Water Sources?

The Climate Resilient Water Sources web portal and dataset provides a comprehensive national snapshot of the availability and use of climate resilient water sources across Australia. The dataset include production capacity, production and end use data for 2012–13, 2013–14 and 2014–15. It also includes data on recycled water production for 2001–02.

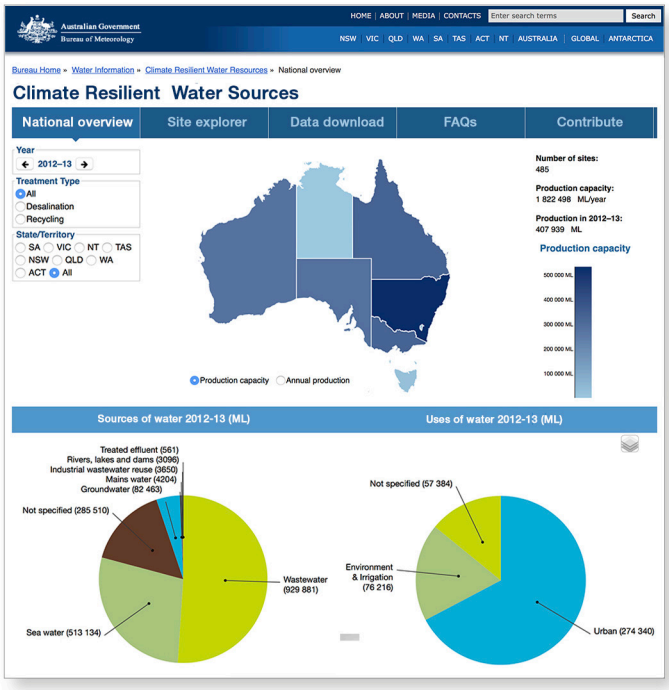
The web portal and dataset were initially delivered through a partnership between the Bureau of Meteorology (the Bureau), the Australian Water Recycling Centre of Excellence, the National Centre of Excellence in Desalination and CSIRO. These organisations shared an interest in addressing an information gap and increasing the public visibility and awareness of the role of climate-resilient water sources in the Australian water landscape.

How does it work?

To explore recycled and desalinated water sources in Australia, you can access multiple tabs in the portal to access the level of detail you need. You can visualise available annual data on capacity, production, water sources and use—at national or State and Territory scales—by using filters. You can explore individual sites by panning across the interactive map or view a table with plant details. You can also download the full dataset for further use and analysis, or contribute to our developing dataset with information about your plant.

Why is it important?

Diverse water sources form part of the Australian water supply picture for long-term water security. Climate-resilient water sources such as desalinated or recycled water play an important role, lessening the impact of climate variability on water availability. There are now hundreds of small and large recycled and desalinated systems around Australia providing water for farming, irrigation, heavy industry, waterway health and drinking. The Climate Resilient Water Sources portal improves understanding of how such water sources can play an even greater role in unban and regional water security and supply.



Climate Resilient Water Sources national overview

Top image: Seqwater

Who can use it?

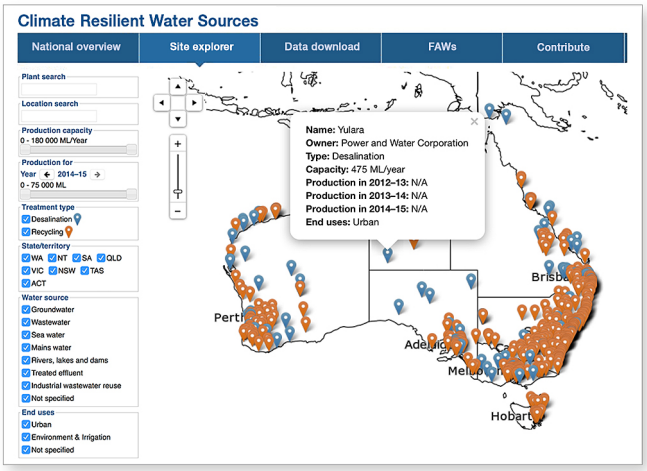
The Climate Resilient Water Sources portal is publicly available on the Bureau's website and anyone can use it—water authorities, natural resource managers, regulators, government agencies, policy makers, consultants, and businesses needing water. It assists understanding of alternative water sources and helps planning and investment for new water infrastructure projects, particularly in the rural and regional areas.

What is the Bureau's role?

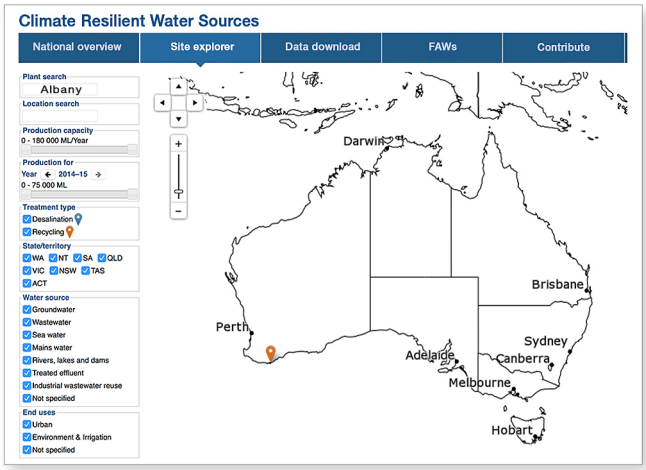
Climate Resilient Water Sources was jointly developed by the Bureau of Meteorology, the Australian Water Recycling Centre of Excellence, the National Centre for Excellence in Desalination and CSIRO.

The Bureau of Meteorology is the lead national agency responsible for the collection and dissemination of water data, including information about groundwater, surface water and alternative water resources

The Bureau's Improving Water Information Programme is building a comprehensive and reliable picture of Australia's water resources to support policy and planning. Further products within the Bureau of Meteorology's Water Information domain can be found at **www.bom.gov.au/water**



Explore the data



Find a specific plant

Top image: Southern Seawater Desalination Plant. Photograph by Water Corporation, WA.

CSIRO

Australian Water Recycling Centre of Excellence

National Centre of Excellence in Desalination AUSTRALIA

FIND OUT MORE

For more information about Climate Resilient Water Sources visit **www.bom.gov.au/water/crews** or contact **urbanwater@bom.gov.au**