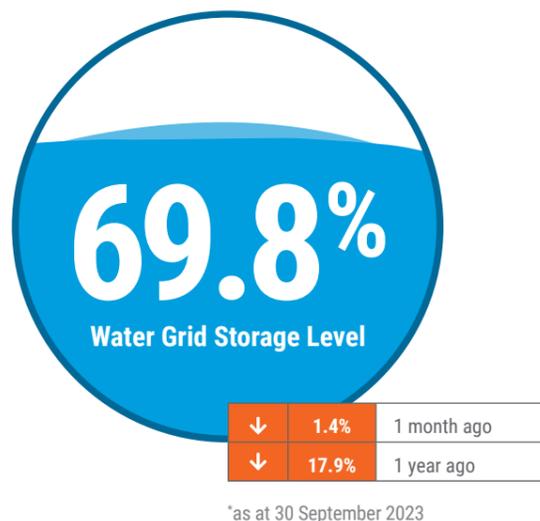


Overall water security position



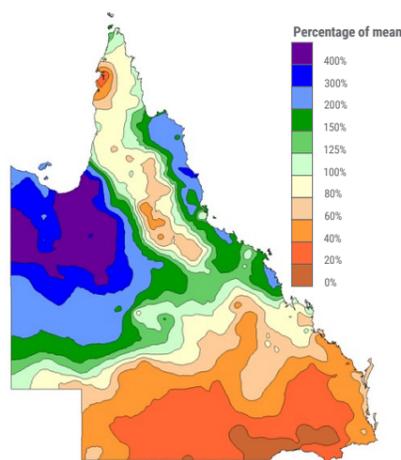
The Bureau of Meteorology officially declared an El Niño weather event on 19th September, following a hot dry winter and a warmer than average September.

Due to these warmer than average conditions and our very dry catchments the SEQ Water Grid level has continued to steadily decline. Storage levels dropped below 70% on 24th September triggering the Pre-drought phase of the SEQ Drought Response Plan. Given the low likelihood of exceeding average rainfall over the next 3 months (25-35%), and the increasingly dry catchments the trend of decreasing Grid levels looks likely to continue.

Dayboro and Canungra both remain in Drought Readiness due to continued dry conditions. Both communities continue to be closely monitored, with drought response planning underway.

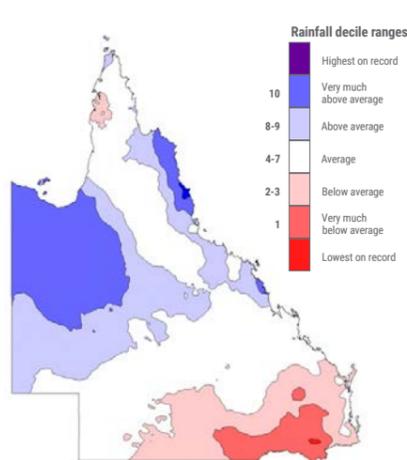
Queensland rainfall percentages

01 July 2023 to 30 September 2023
Australian Gridded Climate Data



Queensland rainfall deciles

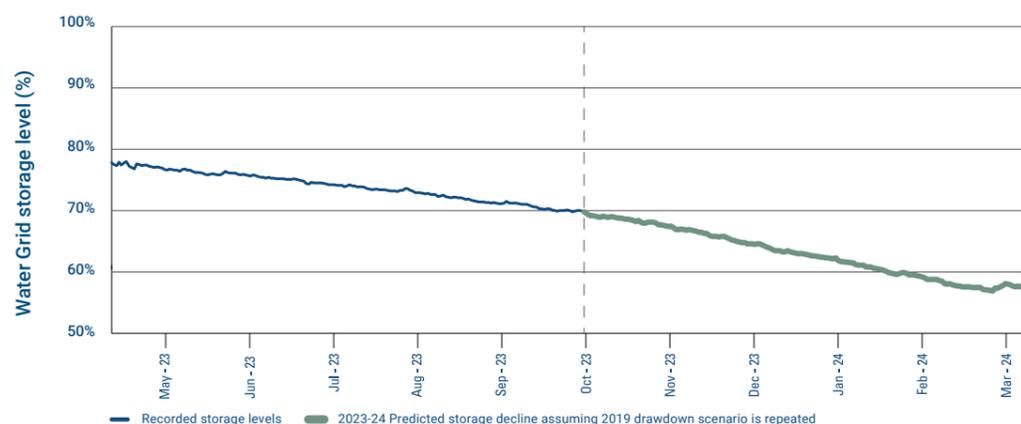
01 July 2023 to 30 September 2023
Australian Gridded Climate Data



Water Grid storage

With an El Niño event continuing throughout this spring, the Bureau of Meteorology's outlook is for dry conditions for the next 3 months. If very dry conditions occur (similar to the very dry year of 2019) a Water Grid Storage level of 60% could be reached by the end of January 2024.

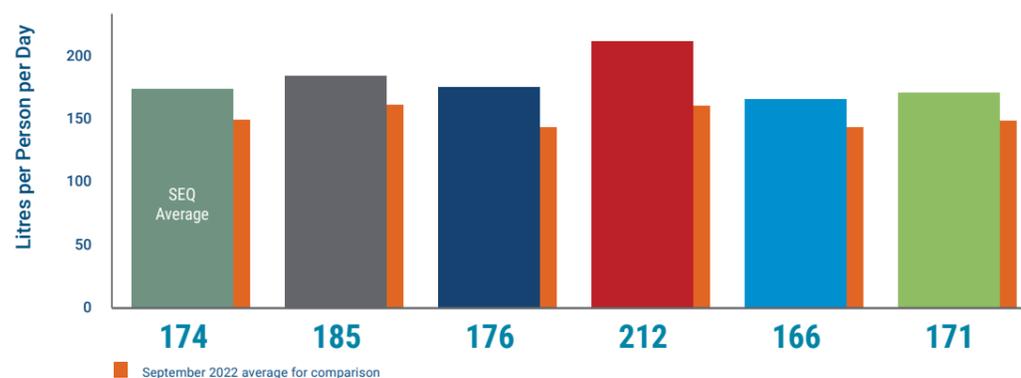
The soil moisture level in the Wivenhoe Dam catchment dipped below 10% in early August this year and has remained at low levels since. The last time soil moisture was this low for an extended time period was at the end of 2019. For comparison, this time last year the soil moisture level was between 40% and 50%. Low soil moisture level results in higher rainfall required to generate inflows into our storages.



Average daily residential consumption

Average residential consumption in September was 174 litres per person per day (LPD). This represents an increase in consumption compared to the 150 LPD recorded in the same month last year.

*Date range is 31/08/2023 to 27/09/2023 and 1/09/2022 to 28/09/2022



Did you know?

El Niño and positive Indian Ocean Dipole are both currently active. Climate models indicate this El Niño is likely to persist until at least the end of February. El Niño typically leads to reduced spring and early summer rainfall for eastern Australia, and warmer days for the southern two-thirds of the country. When a positive IOD and El Niño occur together, their drying effect is typically stronger and more widespread across Australia.

The long-range forecast for Australia indicates warmer and drier than average conditions are likely across most of Australia from October to December.

Water Grid operation

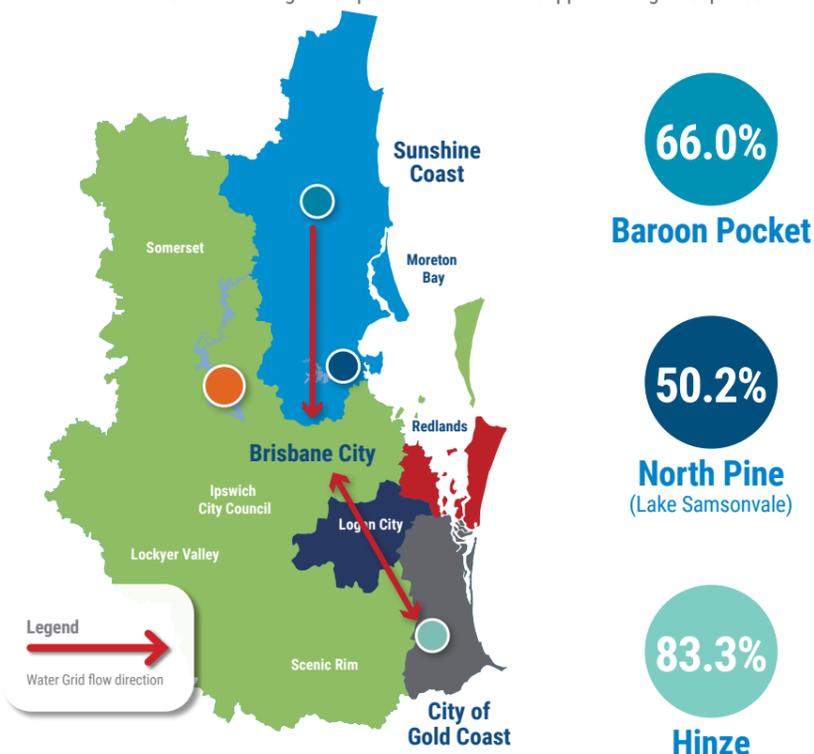
The Southern Regional Water Pipeline was operated in dual flow mode in September, and the Northern Pipeline Interconnector was operated in a predominantly southerly direction to support planned maintenance.

Purified Recycled Water

Seqwater is continuing to provide Purified Recycled Water to industrial customers.

Desalinated water production

Gold Coast Desalination Plant (GCDP) is currently operating in Low Flow Production Mode and will be transitioning to full production mode to support drought response.



Wivenhoe/ Somerset (Combined)

Full supply capacity 1,545,089 ML Current capacity 1,079,754 ML

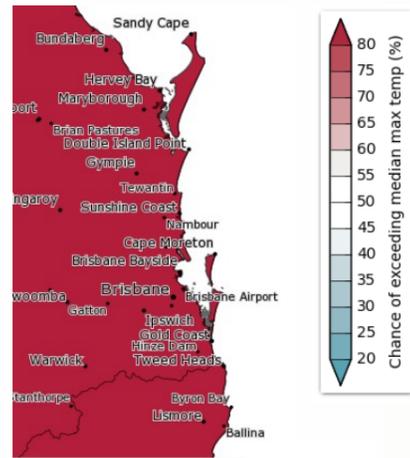
Wivenhoe and Somerset Dams are SEQ's largest storages, and combined make up about 70% of the region's water supply (dams).



Weather outlook

Temperature

The Bureau of Meteorology (BOM) outlook is that there is a greater than 80% chance of exceeding median maximum temperature from October to December.

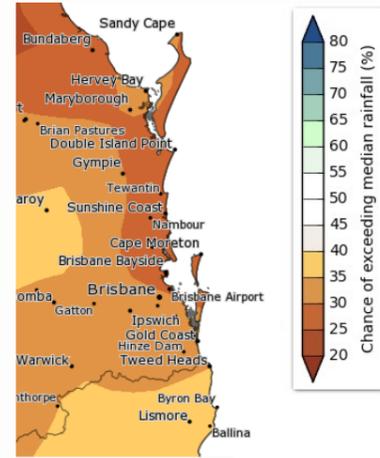


<http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/seasonal/0>

*as at 31 September 2023

Rainfall

The BOM outlook is that there is a low chance (25-35%) of receiving above average rainfall from October to December across the SEQ region.



<http://www.bom.gov.au/climate/outlooks/#/rainfall/median/seasonal/0>

Off-grid community drought status

The SEQ Water Grid allows us to move treated drinking water around the region. Off-grid communities are not connected to the SEQ Water Grid.

*This data has been updated as at 30 September 2023

Sunshine Coast Regional Council

1	Kenilworth	Mary River at Bellbird Creek flow: 1.52 ML/d	●	●
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Moreton Bay Regional Council

2	Dayboro	Groundwater Well No 1 standing water level: 40.37 m AHD (latest available read on 30 September, North Pine River is currently flowing)	●	●
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Somerset Regional Council

3	Jimna	Yabba Creek flow - Big Hole Weir level is 1m below the weir crest	●	●
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4	Linville	Brisbane River at Linville 0.5 ML/day	●	●
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Redland City Council

5	Amity Point		●	●
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6	Point Lookout	North Stradbroke Island Groundwater standing water level (primary bore): 19.945 m AHD	●	●
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7	Dunwich		●	●
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Scenic Rim Regional Council

8	Kalbar (Boonah, Aratula and Mount Alford)	Moogerah Dam storage level: 81.9%	●	●
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9	Canungra	Canungra Creek flow: 5.31 ML/day	●	●
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10	Beaudesert		●	●
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11	Kooralbyn	Maroon Dam storage level: 94.7%	●	●
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12	Rathdowney		●	●
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Water source status

- Source meeting demand
- Increased monitoring of source
- Approaching water carting
- Supplementary carting
- Full carting

Restrictions status

- Water efficiency awareness
- Increased water efficiency messaging
- Voluntary conservation
- Medium level water restrictions
- High level water restrictions or greater



Water supply scheme status

Seqwater supplies water to rural landholders and businesses that are licensed to take water from dams and waterways via water supply schemes. The amount of water that can be extracted by licensed irrigators varies according to local water conditions. In times of drought or low flows, irrigation entitlements may be restricted or suspended.

*as at 30 September 2023



Full allocation



Restricted



Suspended



Cedar Pocket Water Supply Scheme

Cedar Pocket Dam currently 44.3% (Down 10.2% from last month)
Announced Allocations Medium Priority 70%



Mary Valley Water Supply Scheme

Borumba Dam currently 86.1% (Down 4.3% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Central Brisbane Water Supply Scheme

Wivenhoe Dam/Somerset Dam currently 69.9% (Down 1.1% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Lower Lockyer Water Supply Scheme

Atkinson Dam currently 61.7% (Down 5.1% from last month)
Announced Allocations Medium Priority 91%



Warrill Valley Water Supply Scheme

Moogerah Dam currently 81.9% (Down 2.7% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Logan River Water Supply Scheme

Maroon Dam currently 94.7% (Down 1.1% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Central Lockyer Water Supply Scheme

Clarendon Dam & Bill Gunn Dam currently 66.9% (Down 5.3% from last month)
Announced allocation (surface water) Morton Vale 100%, Medium Priority Zones 100%
Announced allocation (groundwater) Medium Priority 100%, Low Priority 100%