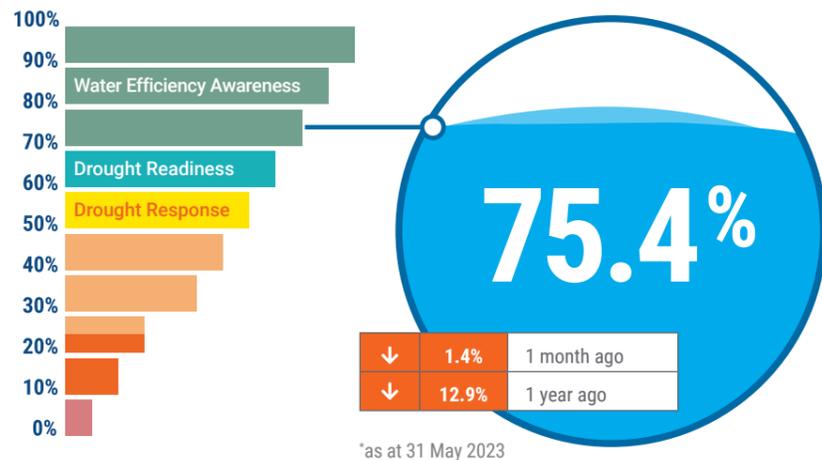


WATER SECURITY STATUS REPORT May 2023

Overall water security position



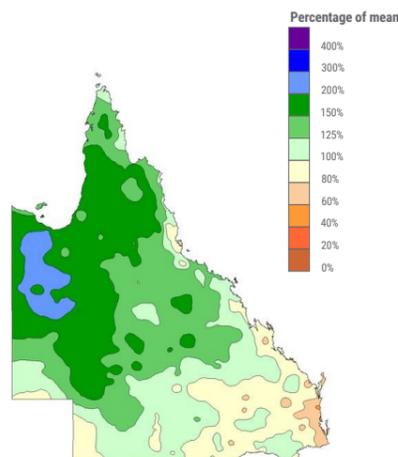
Recently, the Bureau of Meteorology (BoM) has switched from El Nino WATCH to El Nino ALERT, implying that a 70% chance exists that El Nino will form in 2023. Australia is expected to experience warmer-than-average temperatures and drier-than-average conditions during the El Nino event in 2023. However, the severity of the El Nino event is not yet known.

According to downscaled modeling for South-east Queensland, there is a 50% probability of El Nino induced dry/drought conditions continuing in 2023/24 (as forecast by all global agencies for 2023/24).

During the traditional dry season (typically April to October), the SEQ Water Grid level is likely to decrease. The drier than usual conditions have also caused Dayboro to reach their Level 1 (Drought Readiness) drought trigger.

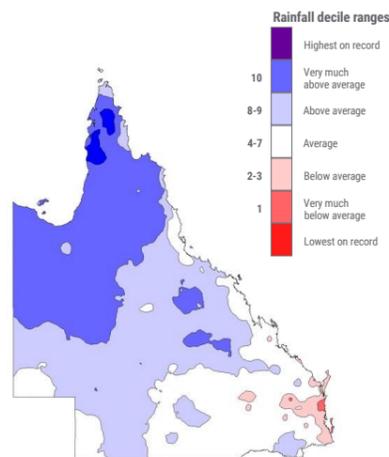
Queensland rainfall percentages

June 2022 to 31 May 2023
Australian Gridded Climate Data



Queensland rainfall deciles

June 2022 to 31 May 2023
Australian Gridded Climate Data

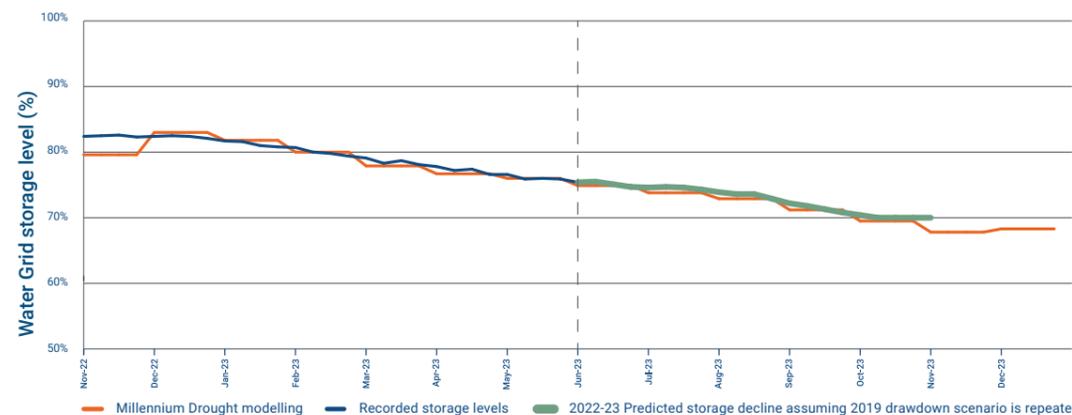


Water Grid storage

Water Grid storage actual drawdown to the end May 2023 with projected drawdown to 70%

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 70% would be reached at the end of September 2023. A Water Grid Storage level of 70% corresponds to the Drought Readiness Trigger in the Water Security Program.

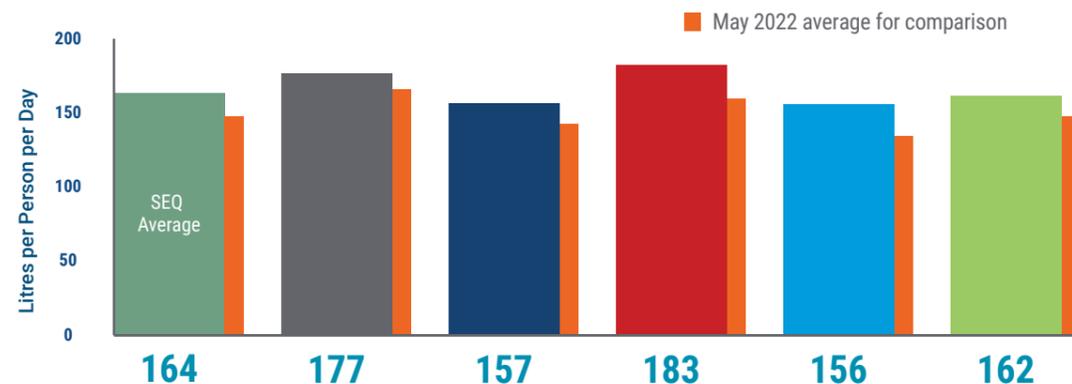
Currently, Wivenhoe Dam and Somerset Dam have amended full supply levels of approximately 90% and 80%, respectively. Until the dam improvement works are completed, these amended levels will remain in place. The North Pine Dam is currently operating at a Reduced Full Supply Level (RFSL) of approximately 68%. RFSL will remain in place until the North Pine Dam improvement works are completed. SEQ Water Grid's Full Supply Level is currently limited to 88.1% (rather than 100%).



Average daily residential consumption

Average residential consumption in May was 164 litres per person per day (LPD). This represents an increase in consumption over the 148 LPD recorded in the same month last year.

*Date range is 04/05/2023 to 31/05/2023 and 05/05/2022 to 01/06/2022

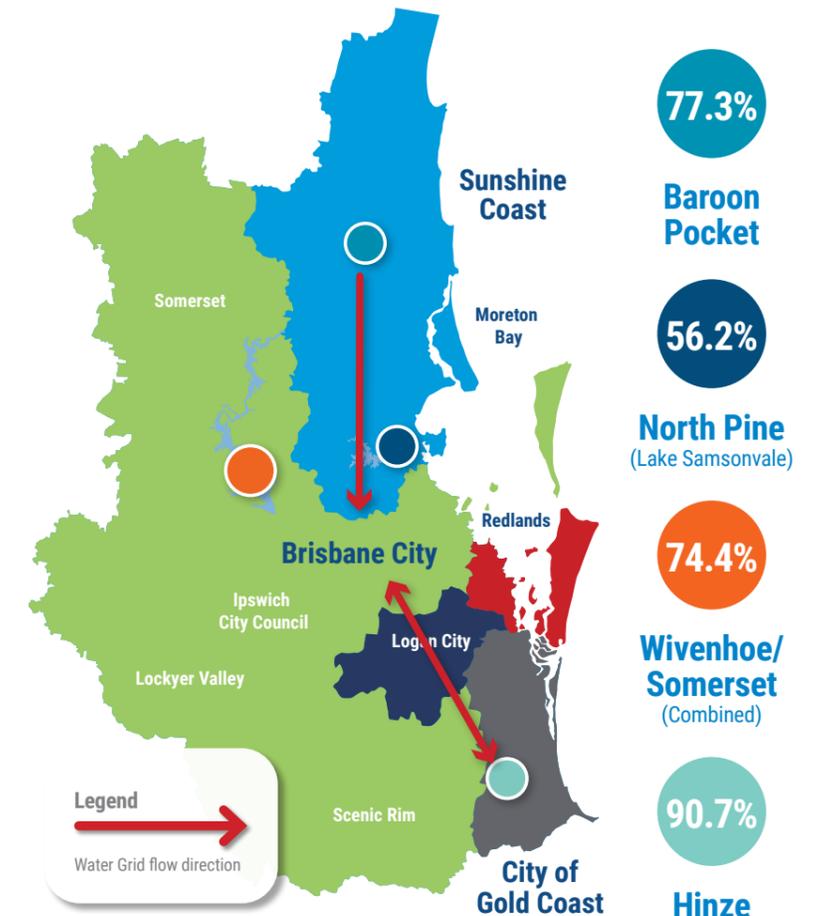


Did you know?

Nine of the ten driest winter-spring periods on record for eastern Australia occurred during El Niño years. Since 1900, the average winter-spring rainfall has been 28% lower than the long-term average, with severe droughts in 1982, 1994, 2002, 2006, and 2015 all associated with El Niño events. Two of Australia's warmest winters (2009 and 2002), springs (2006 and 2002), and summers (1982-83 and 1997-98) all occurred during El Niño years.

Water Grid operation

The Southern Regional Water Pipeline has been operated in a dual flow direction and the Northern Pipeline Interconnector has operated in the southern direction this month.



Purified Recycled Water

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

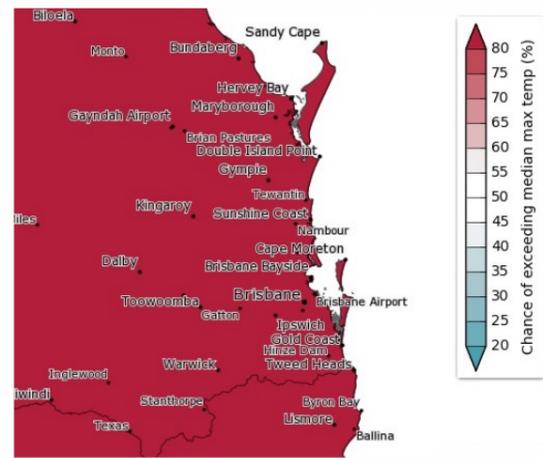
Desalinated water production

Gold Coast Desalination Plant (GCDP) is currently operating in Low Flow Production Mode to maintain readiness to support the SEQ Water Grid when needed.

Weather outlook

Temperature

The Bureau of Meteorology (BOM) outlook is that there is around 80% chance of exceeding median maximum temperature from June to August 2023.

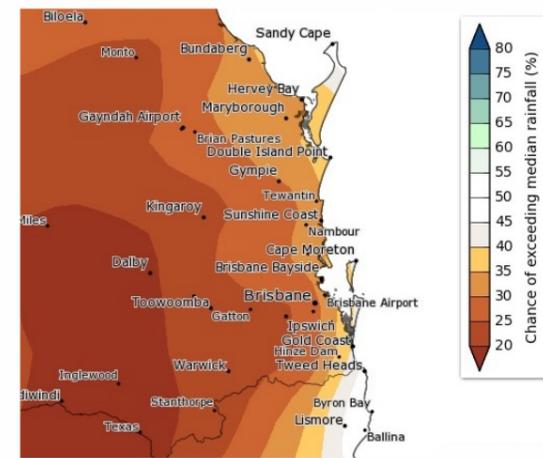


<http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/seasonal/0>

*as at 31 May 2023

Rainfall

The BOM outlook is that there is below 40% chance of exceeding median rainfall from June to August 2023.



<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 31 May 2023

Sunshine Coast Regional Council

1 Kenilworth	Mary River at Bellbird Creek flow: ~53.654 ML/d	●	●
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Moreton Bay Regional Council

2 Dayboro	Groundwater Well No 1 standing water level: 40.66 m AHD (latest available read on 30 May, Water is still available in Well #1, and the North Pine River is currently flowing)	●	●
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Somerset Regional Council

3 Jimna	Yabba Creek flow: water flowing over the Big Hole Weir	●	●
4 Linville	Brisbane River at Linville 13.450 ML/day	●	●

Redland City Council

5 Amity Point			
6 Point Lookout	North Stradbroke Island Groundwater standing water level (primary bore): 20.034 m AHD	●	●
7 Dunwich			

Scenic Rim Regional Council

8 Kalbar	Moogerah Dam storage level: 91.2%	●	●
9 Canungra	Canungra Creek flow: ~25.605 ML/day	●	●
10 Beaudesert			
11 Kooralbyn	Maroon Dam storage level: 98.5%	●	●
12 Rathdowney			

Water source status

- Source meeting demand
- Approaching water carting
- Supplementary carting
- Full carting

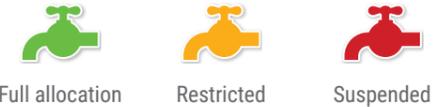
Restrictions status

- Water efficiency awareness
- 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 31 May 2023



- 1 Cedar Pocket Water Supply Scheme**
Cedar Pocket Dam currently 74.3% (Down 7.5% from last month)
Announced Allocations Medium Priority 100%
- 2 Mary Valley Water Supply Scheme**
Borumba Dam currently 95.3% (Down 1.1% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)
- 3 Central Brisbane Water Supply Scheme**
Wivenhoe Dam/Somerset Dam currently 74.4% (Down 1.5% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)
- 4 Lower Lockyer Water Supply Scheme**
Atkinson Dam currently 78.5% (Down 3.5% from last month)
Announced Allocations Medium Priority 100%
- 5 Warrill Valley Water Supply Scheme**
Moogerah Dam currently 91.2% (Down 1.9% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)
- 6 Logan River Water Supply Scheme**
Maroon Dam currently 98.5% (No change from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)
- 7 Central Lockyer Water Supply Scheme**
Clarendon Dam & Bill Gunn Dam currently 85.3% (Down 3.5% from last month)
Announced allocation (surface water) Morton Vale 100%, Medium Priority Zones 100%
Announced allocation (groundwater) Medium Priority 100%, Low Priority 100%

