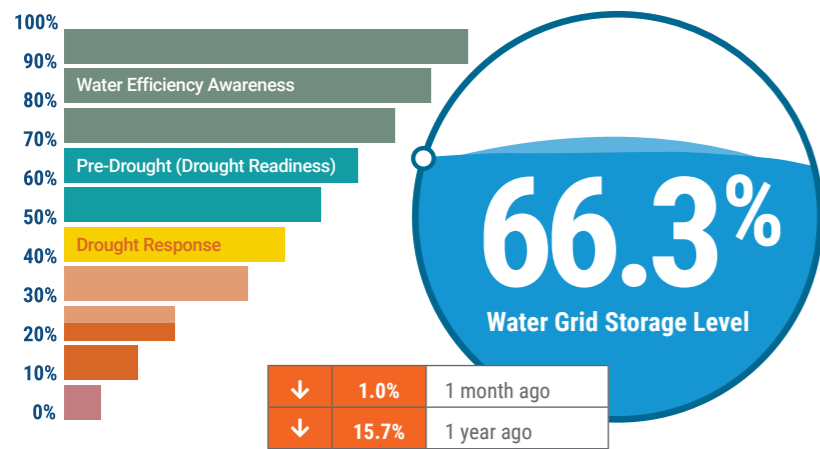


# WATER SECURITY STATUS REPORT November 2023

## Overall water security position



\*as at 30 November 2023

The Bureau of Meteorology officially declared an El Niño weather event on 19 September 2023, following a hot dry winter and a warmer than average spring. An El Niño and positive IOD continue to be underway.

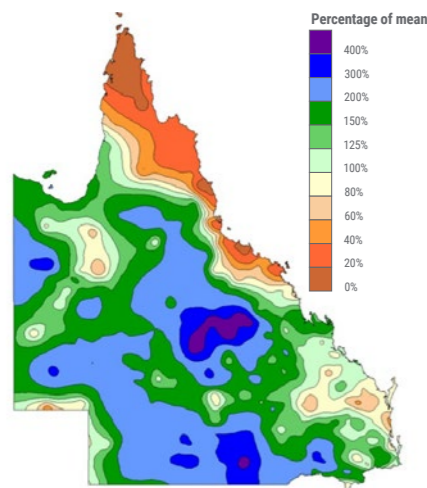
Rainfall and maximum temperatures were average across most of the region in November, with a small number of areas receiving just above average rainfall. Due to recent widespread rainfall, the water storages rate of decline slowed slightly in November, dropping only 1%, less than half the decline experienced in October.

Storage levels dropped below 70% on 24 September 2023, triggering the Pre-drought (Drought Readiness) phase of the SEQ Drought Response Plan. Although BOM has recently updated its December-February rainfall forecast to a medium chance of above median rainfall, there continues to be a strong expectation of hot conditions (>80% chance of above median maximum temperatures).

In the off-grid communities, Kenilworth exited Drought Readiness mode on 28 November 2023, following rain in the Mary River catchment. The Canungra region remains in Drought Readiness mode due to continued relatively dry conditions, while the Dayboro community remains in Drought Response. The Dayboro tanker fill station was closed on 3 November 2023, to manage demand. Both communities continue to be closely monitored, with drought response planning ongoing.

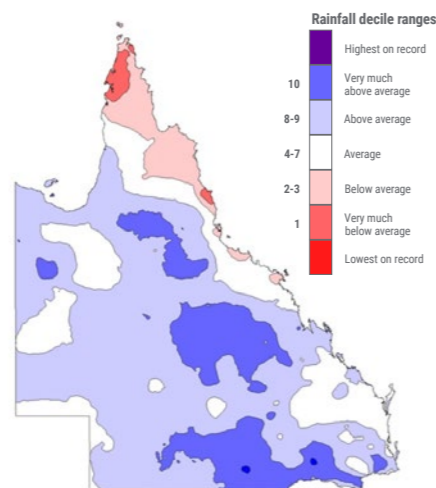
## Queensland rainfall percentages

01 November 2023 to 30 November 2023  
Australian Gridded Climate Data



## Queensland rainfall deciles

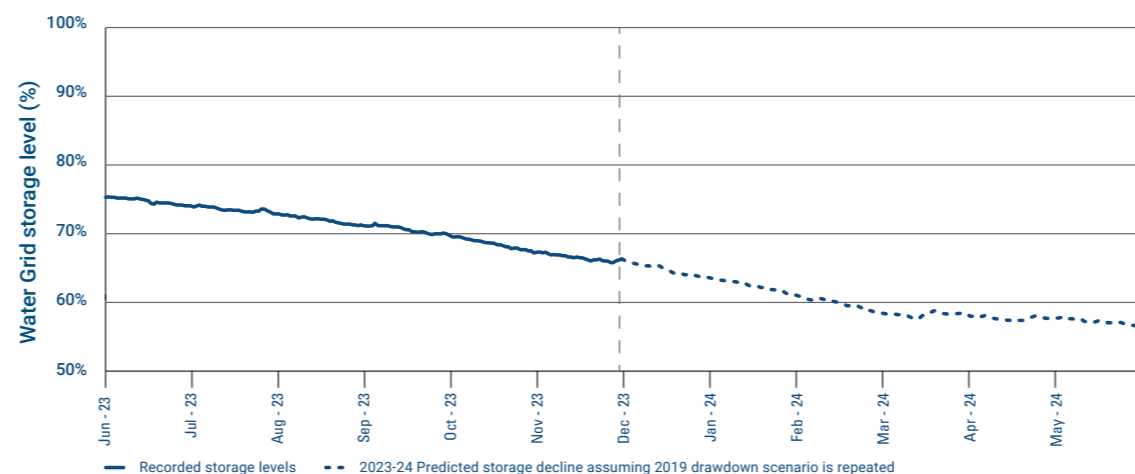
01 November 2023 to 30 November 2023  
Australian Gridded Climate Data



## Water Grid storage

Climate model outlooks suggest this El Niño is likely to continue into early autumn 2024. The ENSO Outlook will remain at El Niño until this event decays, or signs of a possible La Niña appear. If very dry conditions occur (similar to the very dry year of 2019) a water grid storage level of 60% could be reached by early February 2024.

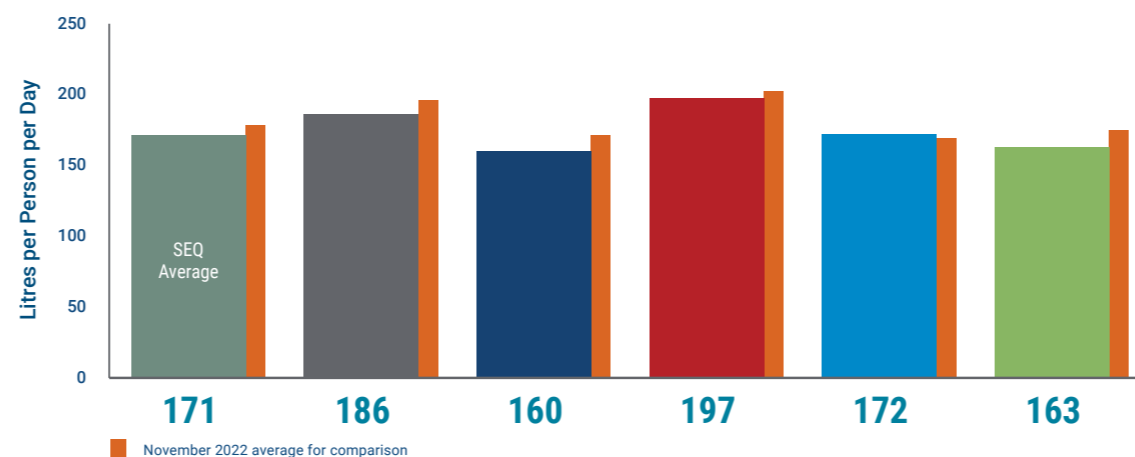
Following recent widespread rainfall in the region, the soil moisture level in the Wivenhoe Dam catchment has increased to above 40%. The relatively high soil moisture level will result in higher run-off if follow-up rains take place.



## Average daily residential consumption

Average residential consumption in November 2023 was 171 litres per person per day (LPD). This represents a decrease in consumption compared to the 178 LPD recorded in the same month last year.

\*Date range is 2/11/2023 - 29/11/2023 and 3/11/2022 - 30/11/2022



## Did you know?

Since 1 November production from the Gold Coast Desalination Plant (GCDP) has been maximised to boost falling dam levels. This facility is playing a crucial role supplying water across the southeast. At full capacity the GCDP can supply about 10% of the south east daily water demand, pumping as much as 133 ML into the grid in a day.

## Water Grid operation

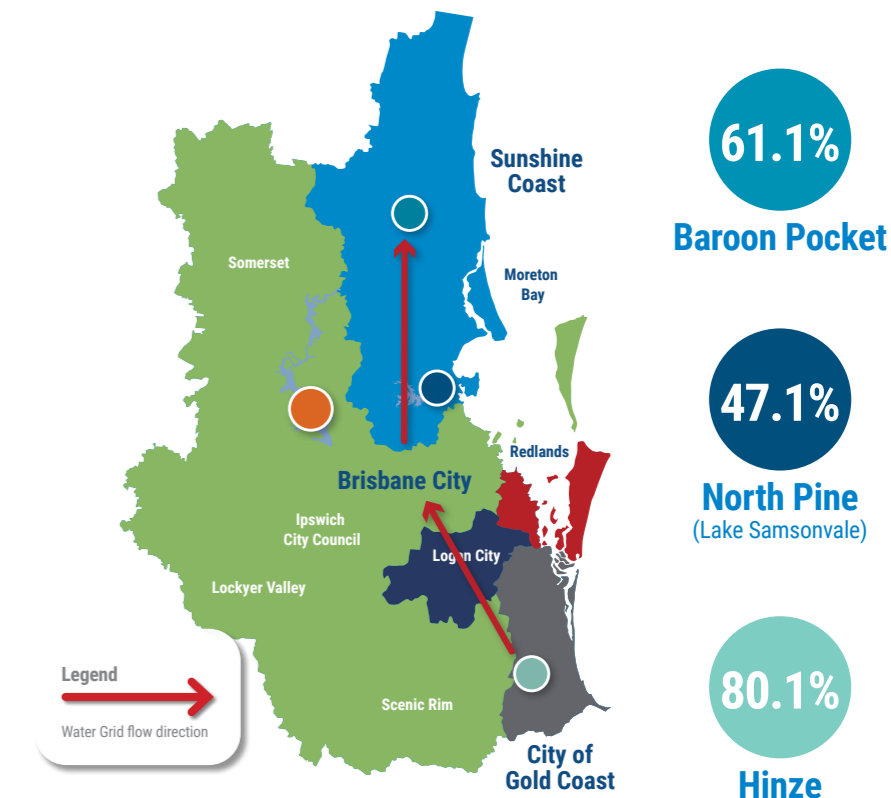
Both the Southern Regional Water Pipeline and the Northern Pipeline Interconnector have primarily operated in the northerly flow direction this month.

## Purified Recycled Water

Seqwater has increased its supply of Purified Recycled Water to industrial customers, to support the SEQ Water Grid and slow the decline of storages.

## Desalinated water production

Gold Coast Desalination Plant (GCDP) production was maximised during the month of November, in order to support the SEQ Water Grid and slow the decline of SEQ water storages.



## Wivenhoe/ Somerset (Combined)

Full supply capacity 1,545,089 ML Current capacity 1,025,928 ML

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

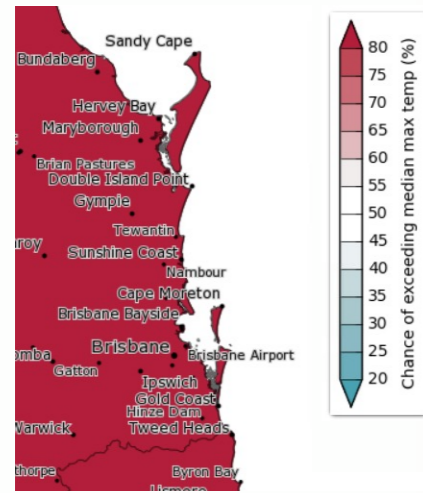


66.4%

## Weather outlook

### Temperature

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

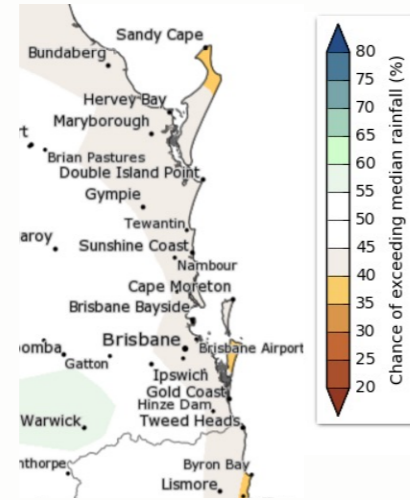


<http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/seasonal/0>

\*as at 30 November 2023

### Rainfall

The BOM outlook is that there is an average chance (40-55%) of receiving above average rainfall from December to February 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 November 2023

### Sunshine Coast Regional Council

<b>1</b> Kenilworth	Mary River at Bellbird Creek flow: 14 ML/d	●	●
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### Moreton Bay Regional Council

<b>2</b> Dayboro	Groundwater Well No 1 standing water level: 40.37 m AHD (latest available read on 28 November, North Pine River is currently not flowing)	●	●
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### Somerset Regional Council

<b>3</b> Jimna	Yabba Creek flow - Big Hole Weir level is 1.5m below the weir crest	●	●
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<b>4</b> Linville	Brisbane River at Linville 0.43 ML/day	●	●
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### Redland City Council

<b>5</b> Amity Point		●	●
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<b>6</b> Point Lookout	North Stradbroke Island Groundwater standing water level (primary bore): 19.962 m AHD	●	●
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<b>7</b> Dunwich		●	●
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### Scenic Rim Regional Council

<b>8</b> Kalbar	Moogerah Dam storage level: 77.3% (Boonah, Aratula and Mount Alford)	●	●
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<b>9</b> Canungra	Canungra Creek flow: 31 ML/day (status will be revised if high flow is maintained)	●	●
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<b>10</b> Beaudesert		●	●
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<b>11</b> Kooralbyn	Maroon Dam storage level: 91.8%	●	●
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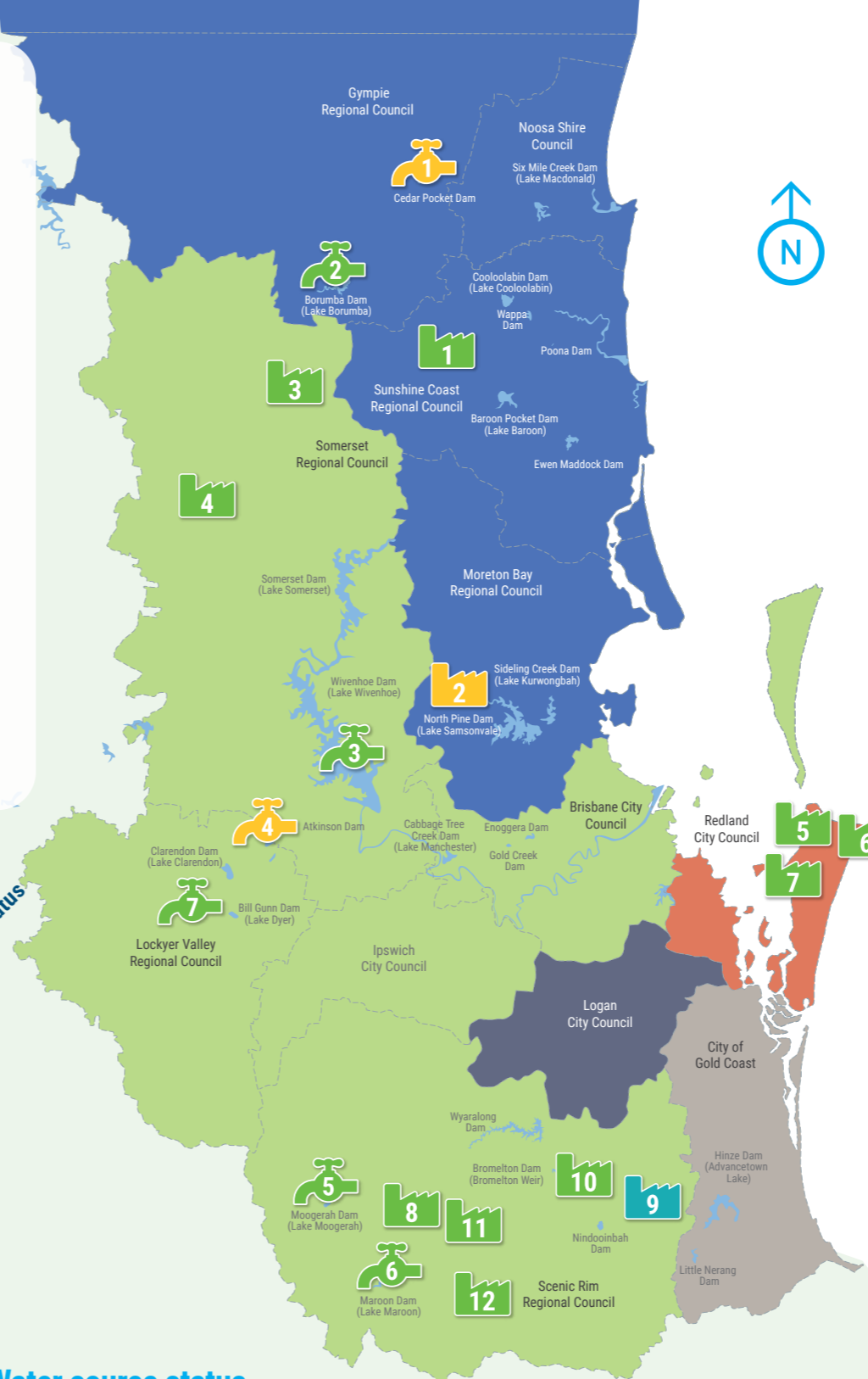
<b>12</b> Rathdowney		●	●
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## Water source status

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

## Restrictions status

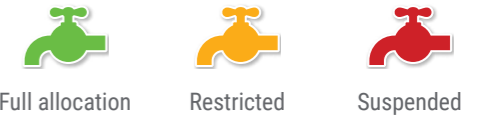
- Water efficiency awareness
- Increased water efficiency messaging
- Voluntary conservation
- Medium level water restrictions
- High level water restrictions or greater



## 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 November 2023



- 1 Cedar Pocket Water Supply Scheme**  
Cedar Pocket Dam currently 18.2% (Down 7.5% from last month)  
**Announced Allocations** Medium Priority 70%
- 2 Mary Valley Water Supply Scheme**  
Borumba Dam currently 76% (Down 3.4% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)
- 3 Central Brisbane Water Supply Scheme**  
Wivenhoe Dam/Somerset Dam currently 66.4% (Down 1.2% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)
- 4 Lower Lockyer Water Supply Scheme**  
Atkinson Dam currently 51.8% (Down 2.5% from last month)  
**Announced Allocations** Medium Priority 91%
- 5 Warrill Valley Water Supply Scheme**  
Moogerah Dam currently 77.3% (Down 0.1% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)
- 6 Logan River Water Supply Scheme**  
Maroon Dam currently 91.8% (Down 1.9% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)
- 7 Central Lockyer Water Supply Scheme**  
Clarendon Dam & Bill Gunn Dam currently 55.9% (Down 3.0% from last month)  
**Announced allocation (surface water)** Morton Vale 100%, Medium Priority Zones 100%  
**Announced allocation (groundwater)** Medium Priority 100%, Low Priority 100%