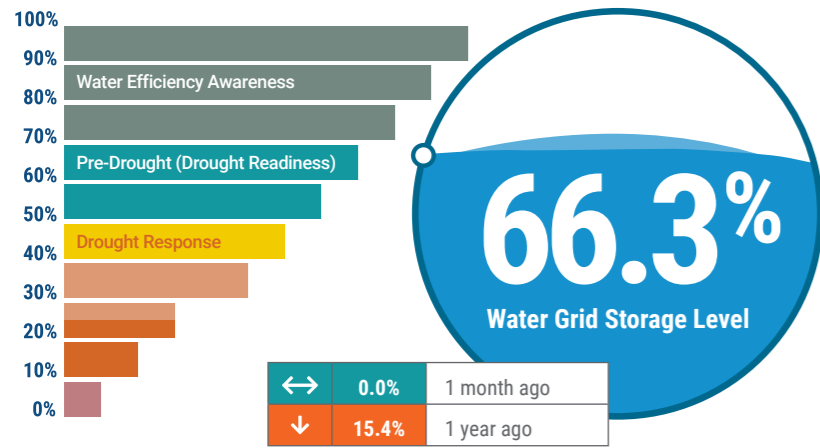


WATER SECURITY STATUS REPORT

December 2023

Overall water security position



*as at 31 December 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, although BOM's forecast is trending to neutral by the middle of the year.

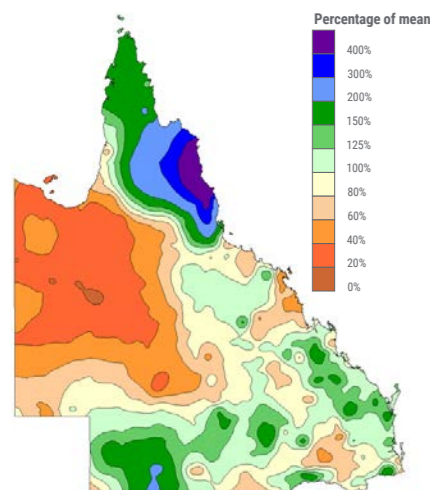
Rainfall was average across most of the region in December, with a small number of areas receiving just above average rainfall. Maximum temperatures, however were very much above average. Due to recent widespread rainfall, the water storages were at the same level at the end of December as they were at the beginning.

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 January - March 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, due to widespread rainfall at the end of December, both Canungra and Dayboro have now exited drought response and returned to Normal Operations. The Dayboro tanker fill station, which was closed on 3 November 2023 to manage demand, will be re-opened on 8 January 2024.

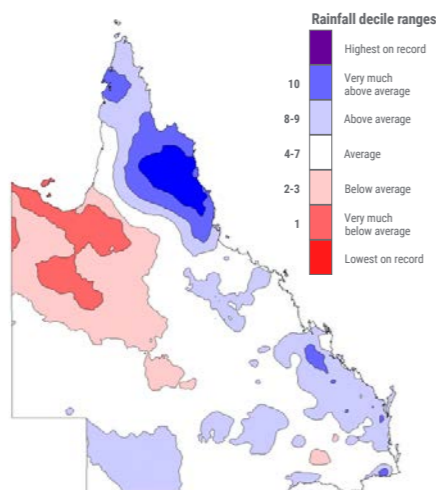
Queensland rainfall percentages

01 December 2023 to 31 December 2023
Australian Gridded Climate Data



Queensland rainfall deciles

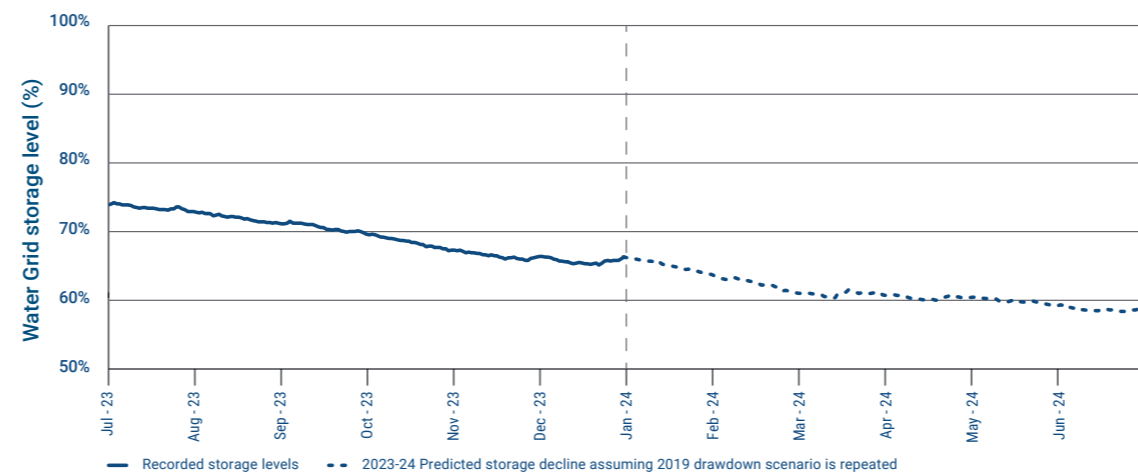
01 December 2023 to 31 December 2023
Australian Gridded Climate Data



Water Grid storage

Climate model outlooks suggest the El Niño watch is likely to return to neutral by May 2024, however, if very dry conditions occur (similar to the very dry year of 2019) a water grid storage level of 60% could be reached by April 2024.

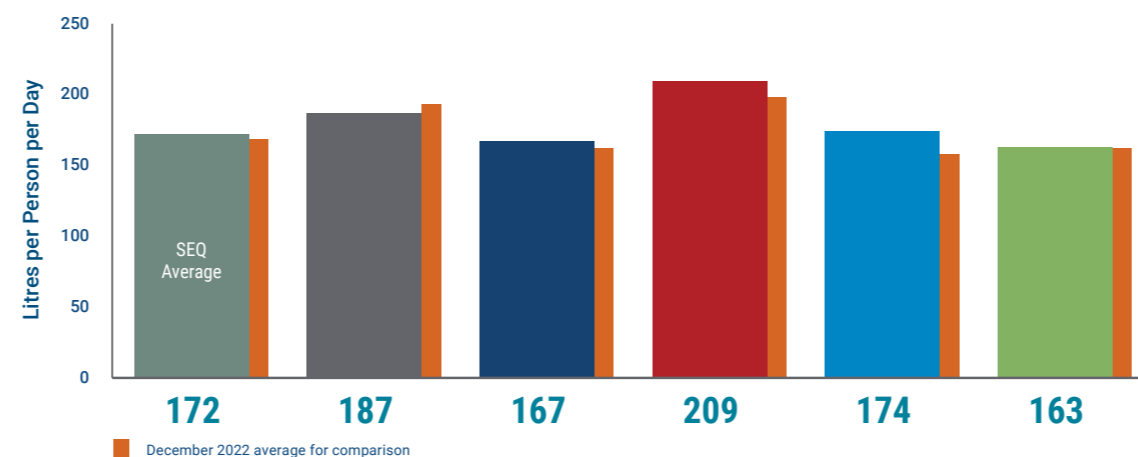
Following recent widespread rainfall in the region, the soil moisture level in the Wivenhoe Dam catchment has increased to above 40%. The relatively high soil moisture level will result in higher runoff if follow-up rain takes place.



Average daily residential consumption

Average residential consumption in December was 172 litres per person per day (LPD). This represents a slight increase in consumption compared to the 168 LPD recorded in the same month last year.

*Date range is 30/11/2023 - 27/12/2023 and 1/12/2022 - 28/12/2022



Did you know?

The Water Grid Storage level declined by around 15% over the 2023 calendar year. The decline observed in the very dry year of 2019 was around 19%.

Water Grid operation

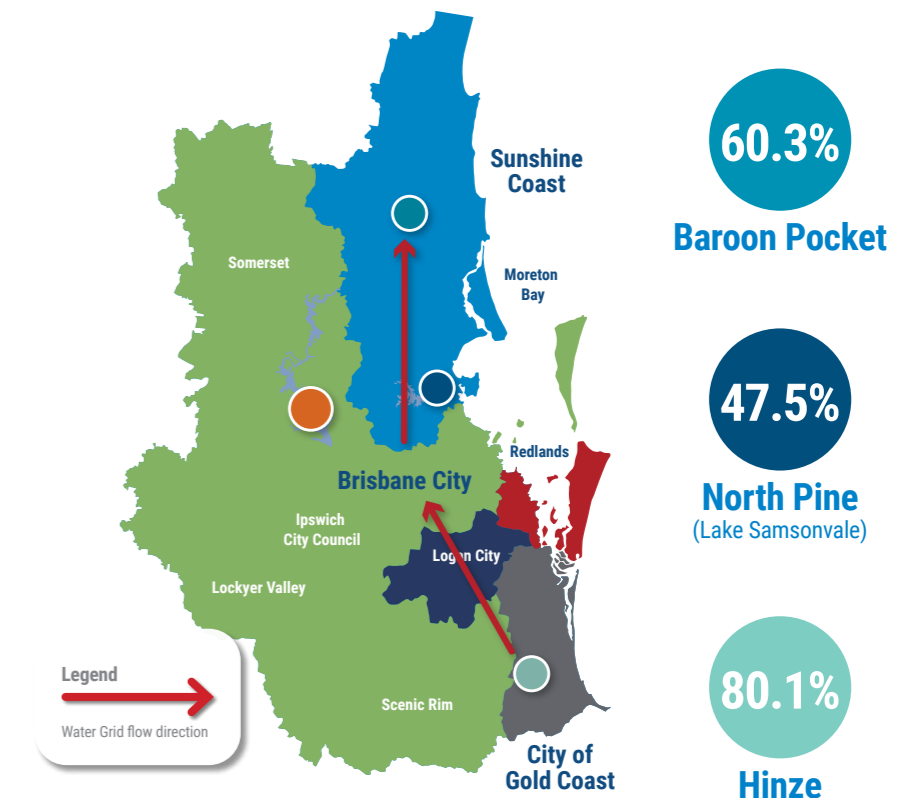
Both the Southern Regional Water Pipeline and the Northern Pipeline Interconnector have primarily operated in the northerly flow direction this month.

Purified Recycled Water

Seqwater maximised 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 December, 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 1,023,166 ML

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

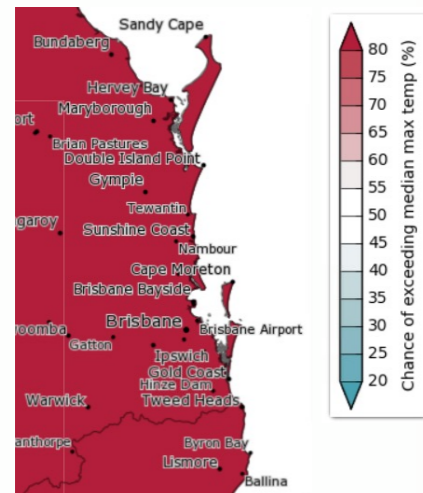
| | | |
|---|-------|-------------|
| ↑ | 0.42% | 1 Week ago |
| ↓ | 0.18% | 1 month ago |
| ↓ | 13.4% | 1 year ago |

66.2%

Weather outlook

Temperature

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

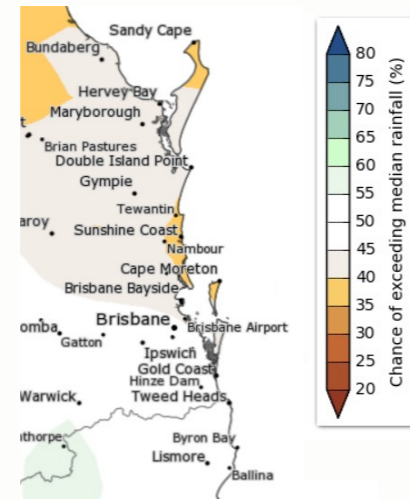


<http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/seasonal/0>

*as at 31 December 2023

Rainfall

The BOM outlook is that there is an average chance (40-55%) of receiving above average rainfall from January to March 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 31 December 2023

Sunshine Coast Regional Council

| | | | | |
|----------|-------------------|---|---|---|
| 1 | Kenilworth | Mary River at Bellbird Creek flow: 189.5 ML/day | ● | ● |
|----------|-------------------|---|---|---|

Moreton Bay Regional Council

| | | | | |
|----------|----------------|---|---|---|
| 2 | Dayboro | Groundwater Well No 1 standing water level: 41.36 m AHD (latest available read on 31 December, North Pine River is currently flowing) | ● | ● |
|----------|----------------|---|---|---|

Somerset Regional Council

| | | | | |
|----------|--------------|--|---|---|
| 3 | Jimna | Yabba Creek flow - Big Hole Weir is overflowing. | ● | ● |
|----------|--------------|--|---|---|

| | | | | |
|----------|-----------------|---|---|---|
| 4 | Linville | Brisbane River at Linville 465.3 ML/day | ● | ● |
|----------|-----------------|---|---|---|

Redland City Council

| | | | | |
|----------|--------------------|--|---|---|
| 5 | Amity Point | | ● | ● |
|----------|--------------------|--|---|---|

| | | | | |
|----------|----------------------|---|---|---|
| 6 | Point Lookout | North Stradbroke Island Groundwater standing water level (primary bore): 19.821 m AHD | ● | ● |
|----------|----------------------|---|---|---|

| | | | | |
|----------|----------------|--|---|---|
| 7 | Dunwich | | ● | ● |
|----------|----------------|--|---|---|

Scenic Rim Regional Council

| | | | | |
|----------|---|-----------------------------------|---|---|
| 8 | Kalbar (Boonah, Aratula and Mount Alford) | Moogerah Dam storage level: 81.6% | ● | ● |
|----------|---|-----------------------------------|---|---|

| | | | | |
|----------|-----------------|----------------------------------|---|---|
| 9 | Canungra | Canungra Creek flow: 36.8 ML/day | ● | ● |
|----------|-----------------|----------------------------------|---|---|

| | | | | |
|-----------|-------------------|--|---|---|
| 10 | Beaudesert | | ● | ● |
|-----------|-------------------|--|---|---|

| | | | | |
|-----------|------------------|---------------------------------|---|---|
| 11 | Kooralbyn | Maroon Dam storage level: 95.8% | ● | ● |
|-----------|------------------|---------------------------------|---|---|

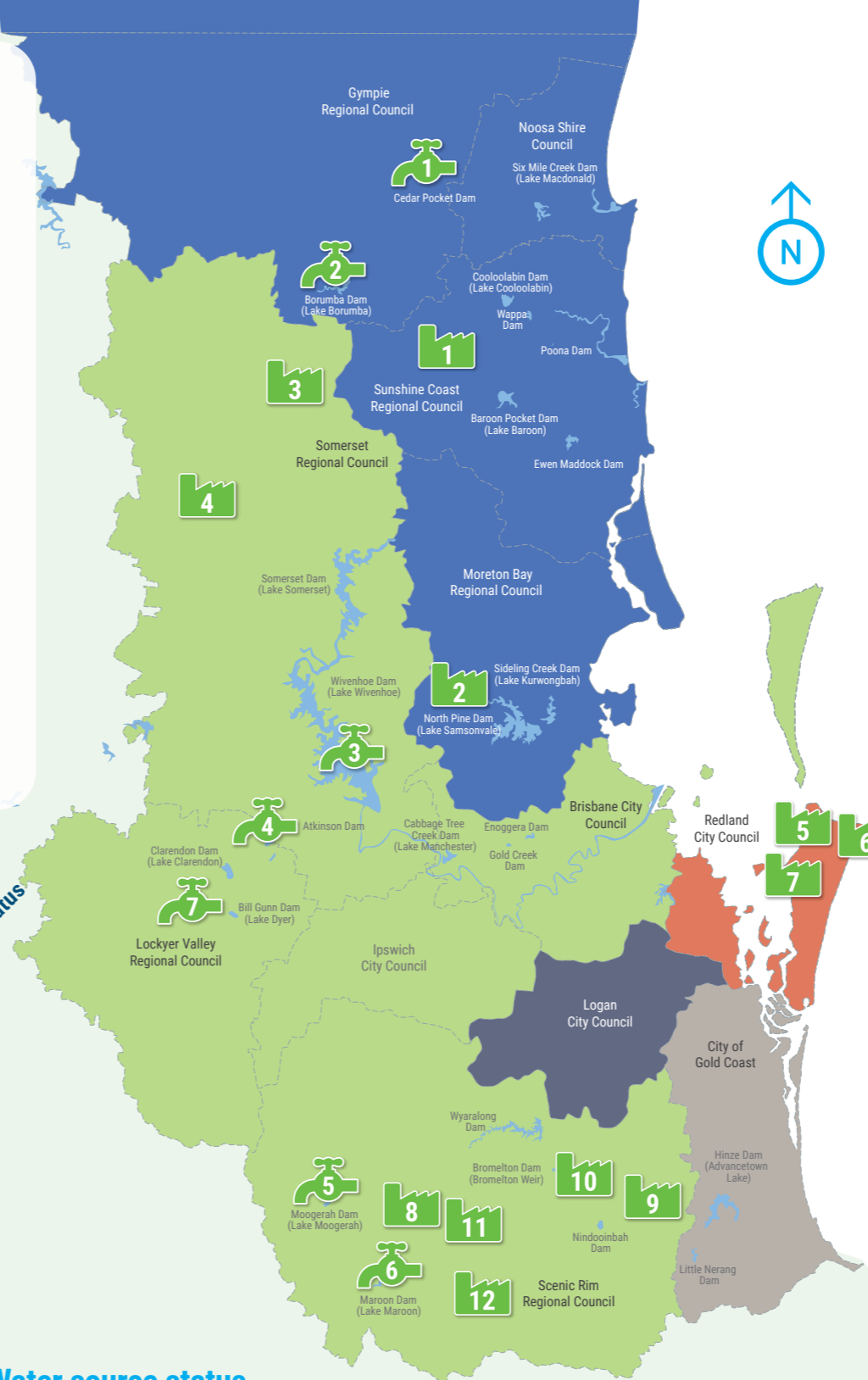
| | | | | |
|-----------|-------------------|--|---|---|
| 12 | Rathdowney | | ● | ● |
|-----------|-------------------|--|---|---|

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 31 December 2023



Full allocation



Restricted



Suspended



Cedar Pocket Water Supply Scheme

Cedar Pocket Dam currently 81.5% (Up 63.3% from last month)
Announced Allocations Medium Priority 70%



Mary Valley Water Supply Scheme

Borumba Dam currently 83.6% (Up 7.6% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Central Brisbane Water Supply Scheme

Wivenhoe Dam/Somerset Dam currently 66.2% (Down 0.2% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Lower Lockyer Water Supply Scheme

Atkinson Dam currently 49.7% (Down 2.1% from last month)
Announced Allocations Medium Priority 91%



Warrill Valley Water Supply Scheme

Moogerah Dam currently 81.6% (Up 4.3% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Logan River Water Supply Scheme

Maroon Dam currently 95.8% (Up 4% from last month)
Announced Allocations Medium Priority 100% (also supplies high priority)



Central Lockyer Water Supply Scheme

Clarendon Dam & Bill Gunn Dam currently 52.8% (Down 3.1% from last month)
Announced allocation (surface water) Morton Vale 100%, Medium Priority Zones 100%
Announced allocation (groundwater) Medium Priority 100%, Low Priority 100%