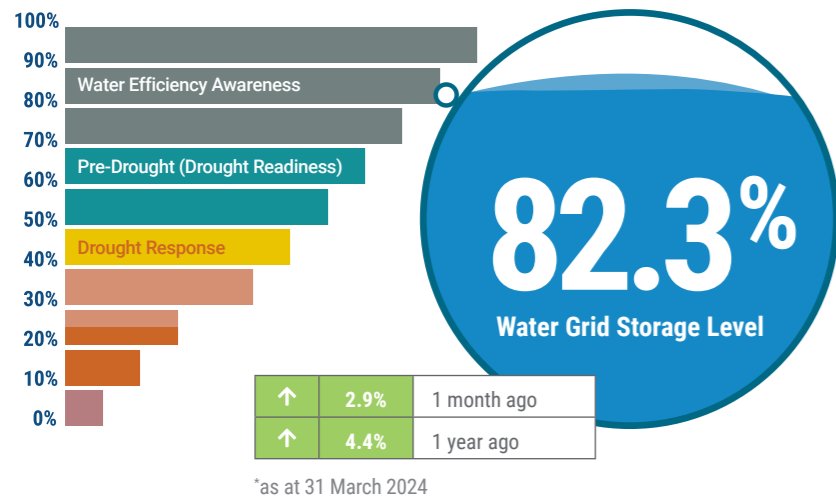


# WATER SECURITY STATUS REPORT March 2024

## Overall water security position



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. All climate models suggest El Niño has peaked and is declining, indicating a return to neutral ENSO conditions in May 2024.

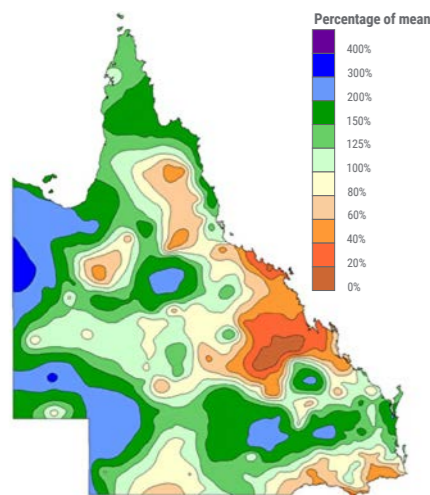
In March, rainfall was above average to average across most of the region and maximum temperatures were above average. Water Grid Storage (WGS) level increased by 2.9% in March 2024.

Storage levels are now sitting at 82.3% (at 31 March 2024) indicating the region is no longer in the Pre-drought (Drought Readiness) phase of the SEQ Drought Response Plan. BOM advises there is a 35-60% chance of above median rainfall in April to June, and a strong expectation of hot conditions (>80% chance of above median maximum temperatures).

All off-grid communities have exited drought triggers due to widespread rainfall since the end of December.

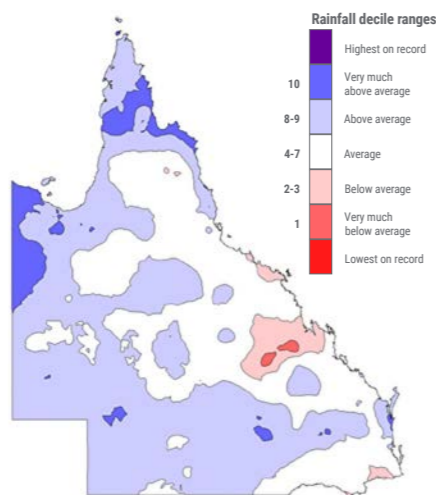
## Queensland rainfall percentages

01 March 2024 to 31 March 2024  
Australian Gridded Climate Data



## Queensland rainfall deciles

01 March 2024 to 31 March 2024  
Australian Gridded Climate Data

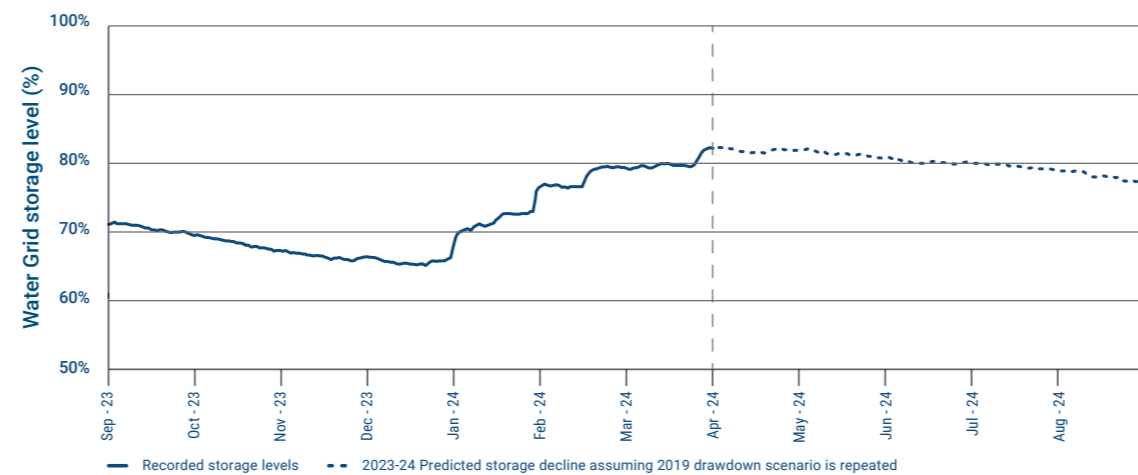


## Water Grid storage

Climate model outlooks suggest El Niño has peaked and is declining, indicating a return to neutral in the southern hemisphere autumn 2024. The ENSO Outlook will remain at El Niño status until this event decays, or signs of a possible La Niña appear.

If very dry conditions return (similar to the very dry year of 2019) storages could return to 70% by December 2024, and to a level of 60% by the end of July 2025.

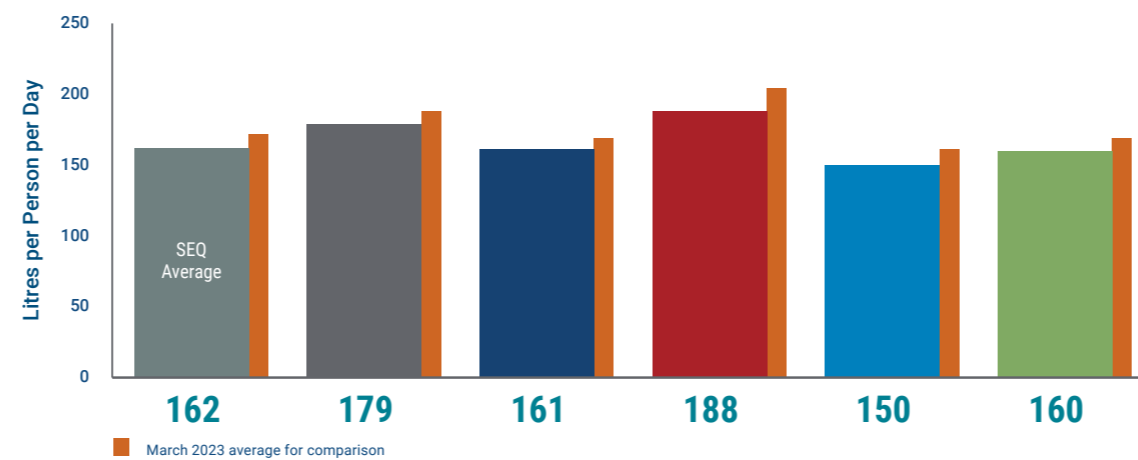
Following recent widespread rainfall in the region, the soil moisture level in the Wivenhoe Dam catchment has increased to above 80%. This significantly high soil moisture level will result in higher runoff if follow-up rain takes place.



## Average daily residential consumption

Average residential consumption in March was 162 litres per person per day (LPD). This represents a decrease in consumption compared to the 172 LPD recorded in the same month last year.

\*Date range is 29/02/2024 - 27/03/2024 and 2/03/2023 - 29/03/2023



## Water Grid operation

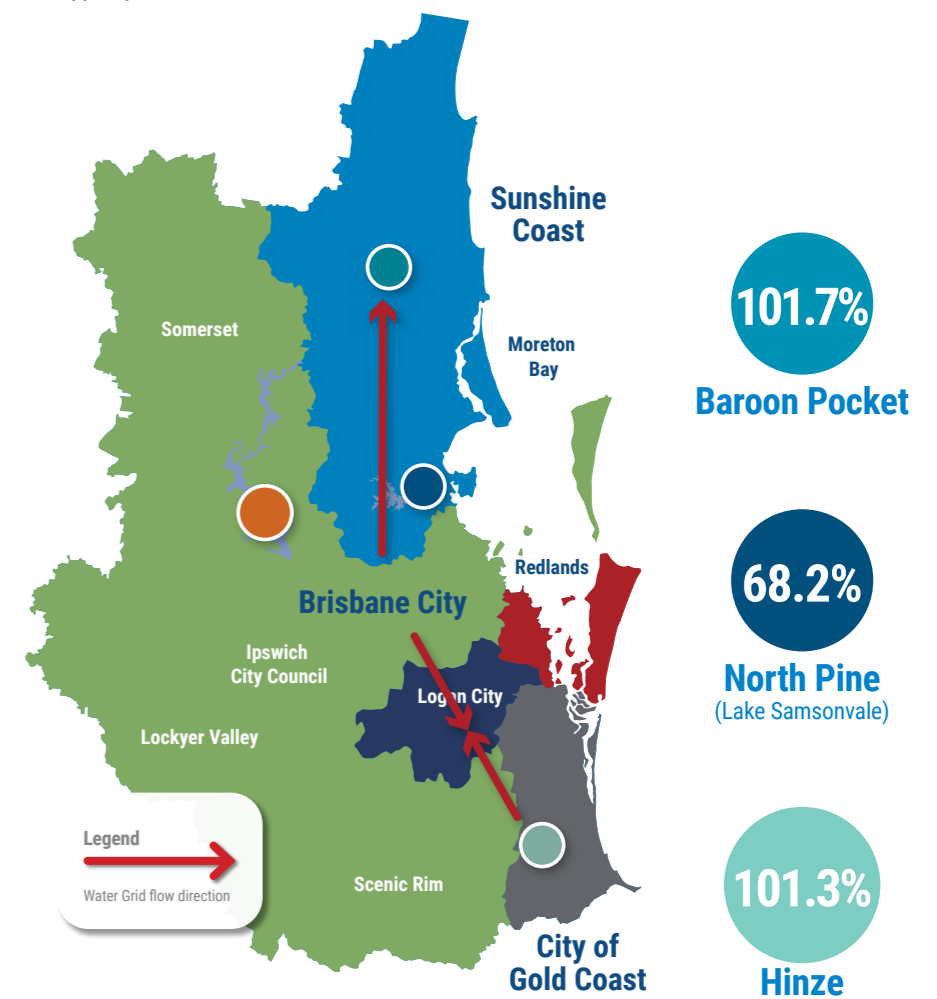
The Northern Pipeline Interconnector has been operated in northerly flow direction. The Southern Regional Water Pipeline has alternated between northerly flow direction and dual flow direction.

## Purified Recycled Water

Seqwater continues to supply some Purified Recycled Water to industrial customers.

## Desalinated water production

The Gold Coast Desalination Plant (GCDP) continues to operate at low flow production with the Water Grid Storage levels above 70%, however production was increased from 12-14 March to support planned maintenance across the Grid.

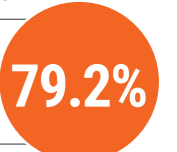


## Wivenhoe/ Somerset (Combined)

Full supply capacity 1,545,089 ML    Current capacity 1,223,279 ML

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

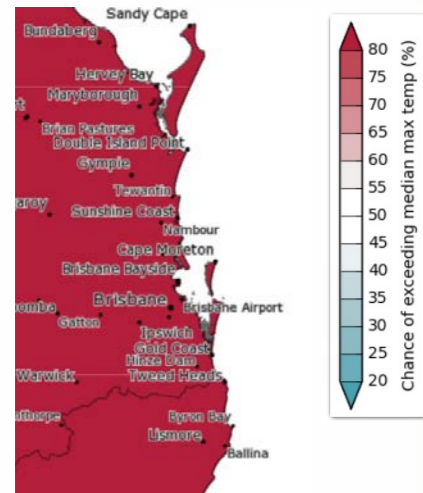
↑	3.82%	1 week ago
↑	3.82%	1 month ago
↑	2.76%	1 year ago



## Weather outlook

### Temperature

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

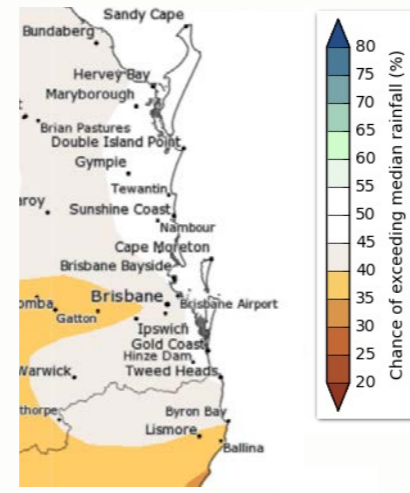


<http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/seasonal/0>

\*as at 31 March 2024

### Rainfall

The BOM outlook is that there is a 35-60% chance of receiving above average rainfall from March to May across the SEQ region.



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

## Off-grid community drought status

Due to widespread rainfall at the end of December and in early January, all off-grid communities have exited drought triggers.

\*This data has been updated as at 31 March 2024

### Sunshine Coast Regional Council

<b>1</b>	<b>Kenilworth</b>	Mary River at Bellbird Creek flow: 1255.9 ML/day	●	●
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### Moreton Bay Regional Council

<b>2</b>	<b>Dayboro</b>	Groundwater Well No 1 standing water level: 40.9 m AHD (latest available read on 24 March)	●	●
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### Somerset Regional Council

<b>3</b>	<b>Jimna</b>	Yabba Creek flow - Big Hole Weir is overflowing.	●	●
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<b>4</b>	<b>Linville</b>	Brisbane River at Linville 546.2 ML/day	●	●
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### Redland City Council

<b>5</b>	<b>Amity Point</b>		●	●
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<b>6</b>	<b>Point Lookout</b>	North Stradbroke Island Groundwater standing water level (primary bore): 19.809 m AHD	●	●
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<b>7</b>	<b>Dunwich</b>		●	●
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### Scenic Rim Regional Council

<b>8</b>	<b>Kalbar</b>	Moogerah Dam storage level: 99.3%	●	●
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<b>9</b>	<b>Canungra</b>	Canungra Creek flow: 78.304 ML/day	●	●
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<b>10</b>	<b>Beaudesert</b>		●	●
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<b>11</b>	<b>Kooralbyn</b>	Maroon Dam storage level: 100%	●	●
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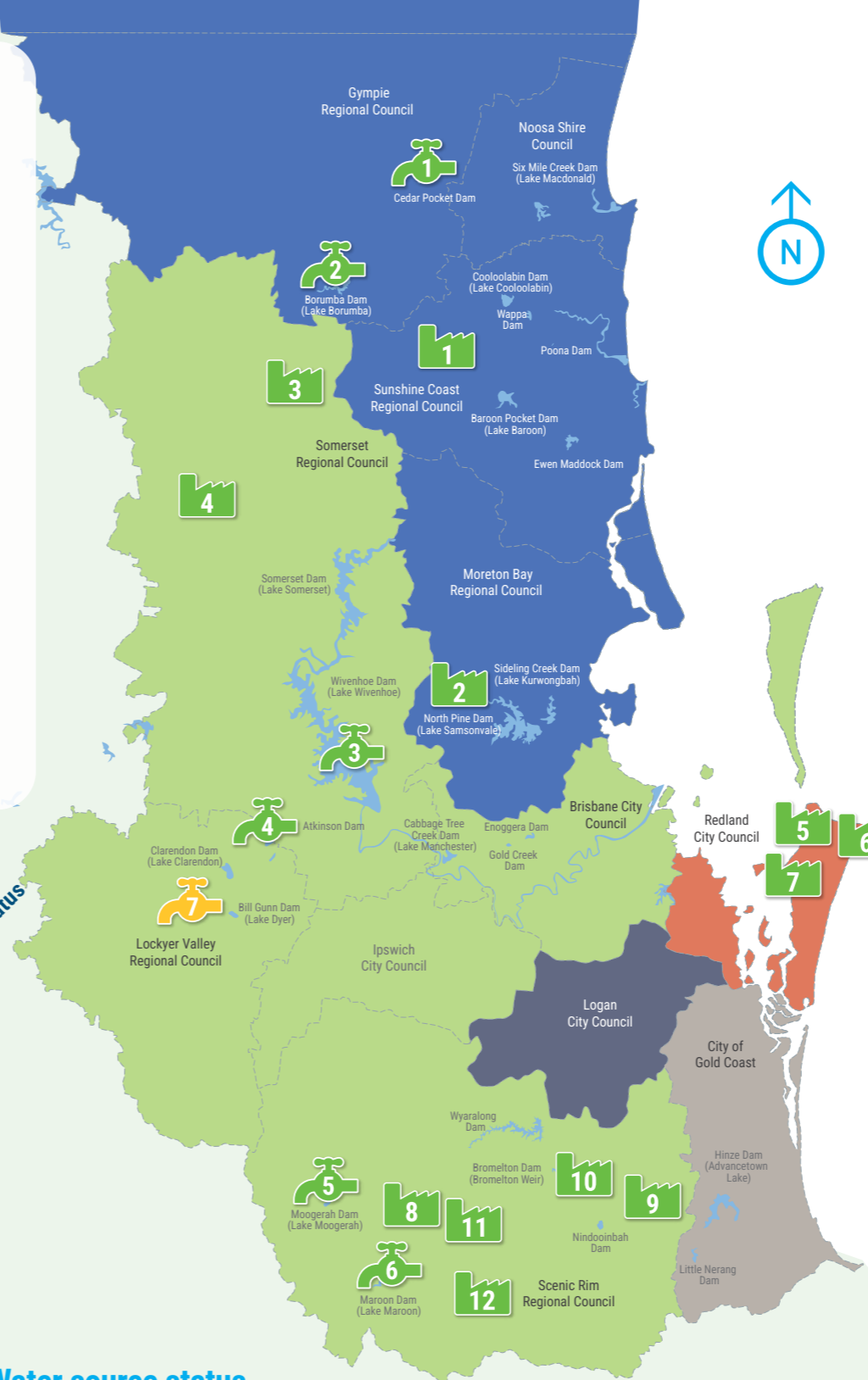
<b>12</b>	<b>Rathdowney</b>		●	●
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## Water source status

- 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 31 March 2024



Full allocation



Restricted



Suspended



### Cedar Pocket Water Supply Scheme

Cedar Pocket Dam currently 103% (Up 2.4% from last month)  
**Announced Allocations** Medium Priority 100%



### Mary Valley Water Supply Scheme

Borumba Dam currently 100.8% (Up 0.6% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)



### Central Brisbane Water Supply Scheme

Wivenhoe Dam/Somerset Dam currently 79.2% (Up 3.8% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)



### Lower Lockyer Water Supply Scheme

Atkinson Dam currently 75.6% (Down 3.3% from last month)  
**Announced Allocations** Medium Priority 100%



### Warrill Valley Water Supply Scheme

Moogerah Dam currently 99.3% (Down 1.4% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)



### Logan River Water Supply Scheme

Maroon Dam currently 100% (Down 0.1% from last month)  
**Announced Allocations** Medium Priority 100% (also supplies high priority)



### Central Lockyer Water Supply Scheme

Clarendon Dam & Bill Gunn Dam currently 69.5% (Up 1.8% from last month)  
**Announced allocation (surface water)** Morton Vale 100%, Medium Priority Zones 55%  
**Announced allocation (groundwater)** Medium Priority 100%, Low Priority 100%