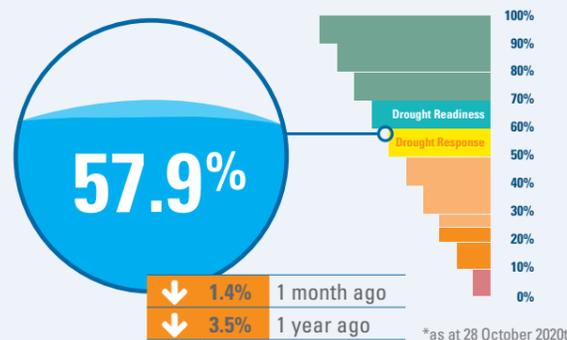
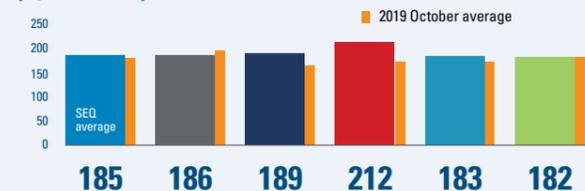


Water Grid capacity



Average daily residential consumption (L/Person)



*Data range is 1/10/2020 – 28/10/2020 and 3/10/2019 – 30/10/2019
See map below and legend at the bottom of the page for water service provider information



Dam storage levels

*Data correct at 28 October 2020 – Dams selected are largest storages for North, South and Central areas. Visit the Seqwater website for more information.

Baroon Pocket

Full supply capacity **61,000 ML**
Current capacity **50,482 ML**

- ↓ 0.4% 1 week ago
- ↓ 3.8% 1 month ago
- ↓ 6.0% 1 year ago

STORAGE LEVEL 82.8%

North Pine (Lake Samsonvale)

Full supply capacity **214,302 ML**
Current capacity **114,056 ML**

- ↓ 0.3% 1 week ago
- ↓ 2.3% 1 month ago
- ↓ 9.0% 1 year ago

STORAGE LEVEL 53.2%

Wivenhoe/Somerset

Full supply capacity **1,545,089 ML¹**
Current capacity **784,156 ML**

- ↑ 0.3% 1 week ago
- ↓ 1.0% 1 month ago
- ↓ 3.4% 1 year ago

STORAGE LEVEL 50.7%

¹combined dam levels

Hinze

Full supply capacity **310,730 ML**
Current capacity **272,250 ML**

- ↓ 0.2% 1 week ago
- ↓ 1.9% 1 month ago
- ↓ 0.6% 1 year ago

STORAGE LEVEL 87.6%

Grid operations and overall water security position

South East Queensland (SEQ) remains in Drought Response with combined Water Grid storages at 57.9%, down from 59.3% last month.

Although there has been some much-needed rainfall towards the end of October, an extended dry period in SEQ has seen a lot of the water being absorbed into the soil rather than flow into dams. The region's largest water storage, Lake Wivenhoe, remains below 50% capacity for the fifth month in a row - the first time since the Millennium Drought. The Gold Coast Desalination Plant continues to operate up to 100% capacity to increase water supply for SEQ as part of the Drought Response Plan. Seqwater and the water service providers continue to provide information on how to reduce water usage, and remind residents of drought conditions.

The increase of hot and dry weather this month has seen a rise in the average residential water usage from 169 LPD in September to 185 LPD during October, and 169 litres per day (LPD) for the same period

last year. This serves as a reminder to residents to remain conscious of their water use.

The Southern Regional Water Pipeline (SRWP) continues to operate in a northerly direction, and is supported by the Gold Coast Desalination Plant when required. The Northern Pipeline Interconnector is currently operating in a southerly direction. The grid flow operations help to distribute water in SEQ where it is needed most.

Although there has been dry weather recently, the Bureau of Meteorology (BOM) outlook for November to January is for wetter than average conditions with a 65-75% chance of above median rainfall. The El Niño/Southern Oscillation outlook from BOM remains at La Niña with modelling suggesting La Niña will peak in December.

End of month storage level decline assuming a repeat of the particularly dry 2019 year (2020 data not used):

Nov-20	55.47%	Feb-21	50.07%
Dec-20	52.87%	Mar-21	47.33%
Jan-21	52.35%		

Water Grid storage

Water Grid storage actual drawdown to 26 October 2020, and projected drawdown

The Water Grid drawdown graph shows historical storage data, and a projected drawdown if the rate observed during the dry year of 2019 (not including any 2020 data) occurred in the corresponding months from October 2020 until March 2021¹. The 2019 data is used because it was a particularly dry year, and rainfall is usually higher in the summer period. The recent rate of storage decline is due to rainfall deficit from April to October 2020. The Millennium Drought is shown to compare drawdowns over an extended drought period (see Figure 1).

¹ This projected drawdown does not account for differences in demand and supply conditions in 2020, such as continued operation of the Gold Coast Desalination Plant.

Figure 1: Water Grid storage drawdowns if dry conditions continue.



Soil moisture

Deep soil moisture has decreased since the February-March 2020 rainfall and is currently at 32.5% full. There still needs to be significant rainfall events to see recovery and inflows into the catchment. (see Figure 2).

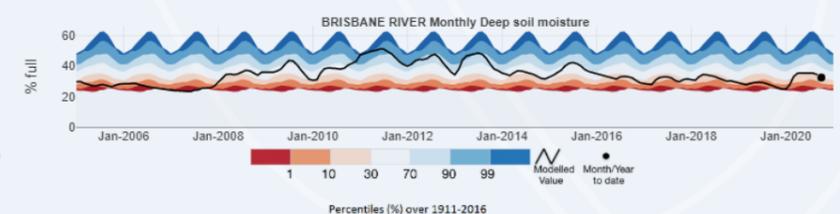
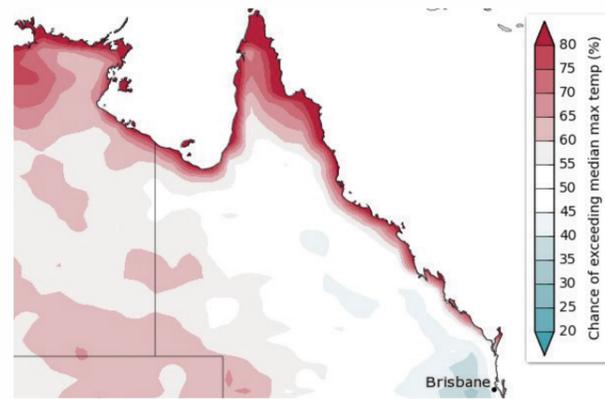


Figure 2: Brisbane River catchment monthly deep soil moisture – modelled estimate to October 2020 (source Bureau of Meteorology AWRA-L)

Weather outlook

Temperature

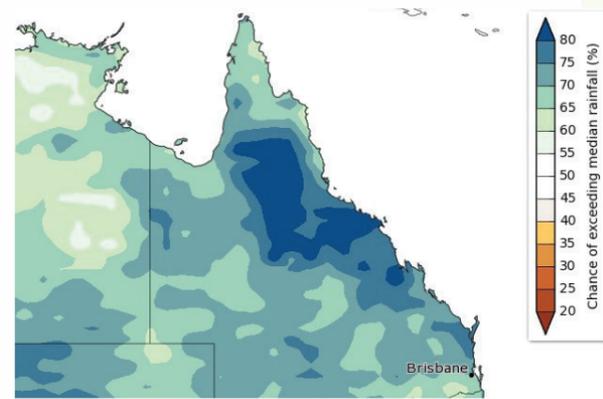
The BOM outlook is for a 35-55% probability of exceeding the 29.2°C median temperature for the Brisbane area from November to January. The past accuracy of these predictions has been classed as "very high".



http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/monthly/0

Rainfall

The BOM outlook is for a likely chance of exceeding the 355mm median rainfall for the Brisbane area from November to January with a 65-75% probability. The past accuracy of these predictions has been classed as "very high".



Source: http://www.bom.gov.au/climate/outlooks/#/rainfall/median/monthly/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 table has been updated as at 29 October 2020.

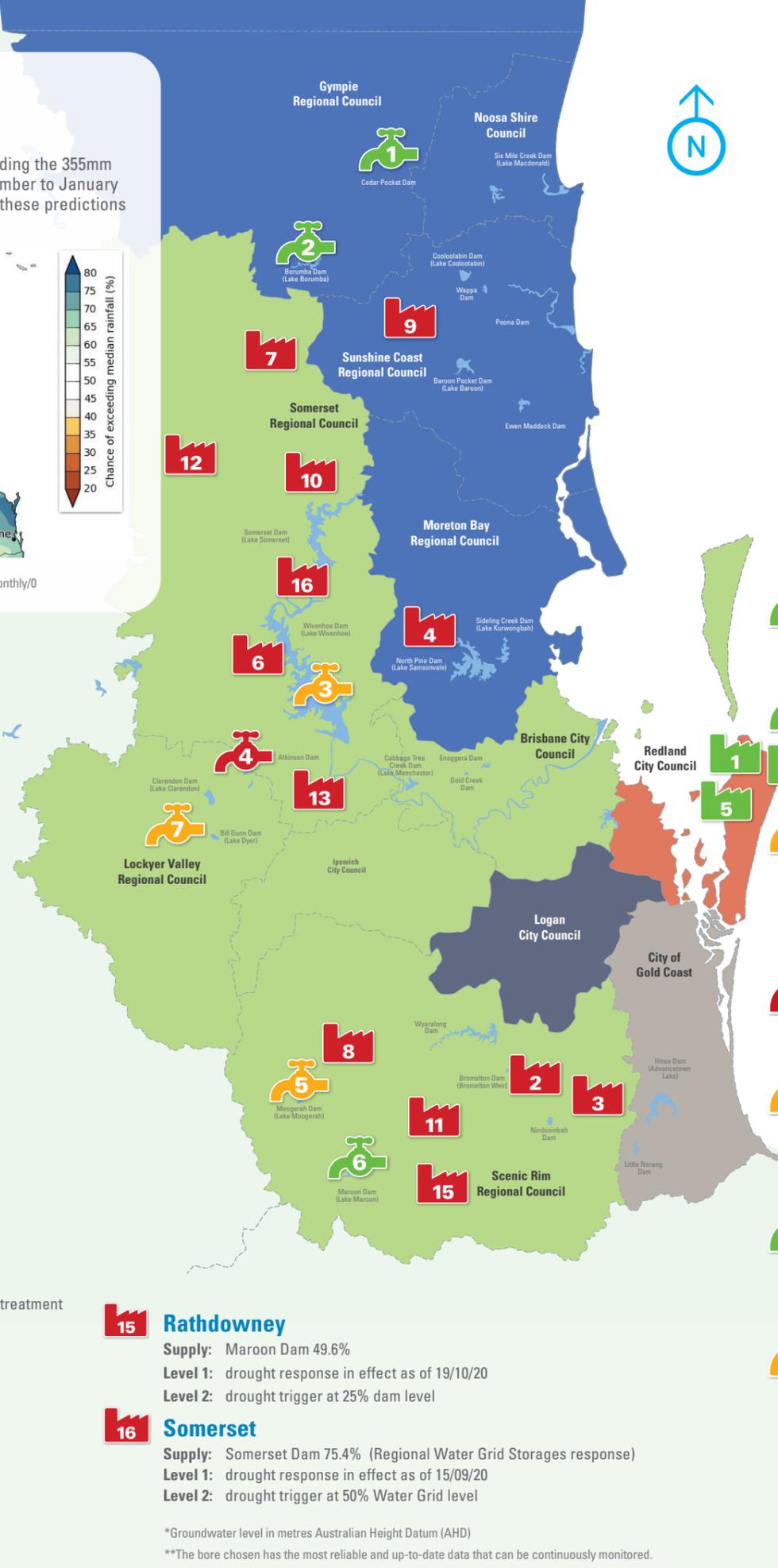
- Low probability of reaching drought trigger in next 3 months
- Medium probability of reaching drought trigger in next 3 months
- High probability of reaching drought trigger in next 3 months

- 1 Amity Point**
Supply: North Stradbroke Island groundwater
Standing water level 16.54 m AHD**
Level 1: drought trigger at 15 m AHD
- 2 Beaudesert**
Supply: Maroon Dam 49.6%
Level 1: drought response in effect as of 19/10/20
Level 2: drought trigger at 25% dam level
- 3 Canungra**
Supply: Canungra Creek Stream flow ~20.0 ML/day
Level 1: drought response in effect as of 4/6/20
Level 1b: drought trigger at <1 ML/day flow
- 4 Dayboro**
Supply: groundwater
Well No. 1 standing level >RL 40.04 m AHD
Level 3: drought response in effect as of 6/10/20
Level 4: drought trigger when wells not meeting demand
- 5 Dunwich**
Supply: North Stradbroke Island groundwater
Standing water level 16.54 m AHD**
Level 1: drought trigger at 15 m AHD
- 6 Esk**
Supply: Wivenhoe Dam 43.7%
(Regional Water Grid Storages response)
Level 1: drought response in effect as of 15/09/20
Level 2: drought trigger at 50% Water Grid level
- 7 Jimna**
Supply: Yabba Creek
Plant operating to meet demand
Level 1: drought response in effect as of 6/5/20
Level 3: drought trigger — when the Big Hole is 8m below normal operating level

- 8 Kalbar (Boonah, Aratula and Mount Alford)**
Supply: Moogerah Dam 20.0%
Level 2: drought response in effect as of 30/8/20
Level 3: drought trigger at 15% dam level
- 9 Kenilworth**
Supply: Wells near the Mary River
Bellbird Creek flow ~14.7 ML/day
Level 1: drought trigger at 0 ML/day flow
- 10 Kilcoy**
Supply: Somerset Dam 75.4%
(Regional Water Grid Storages response)
Level 1: drought response in effect as of 15/09/20
Level 2: drought trigger at 50% Water Grid level
- 11 Kooralbyn**
Supply: Maroon Dam 59.6%
Level 1: drought response in effect as of 19/10/20
Level 2: drought trigger at 25% dam level
- 12 Linville**
Supply: Brisbane River at Linville — 5.3 ML/day
Level 1: drought response in effect as of 15/09/20
Next drought trigger: Cart from Kilcoy when water treatment plan unable to meet demand
- 13 Lowood**
Supply: Wivenhoe Dam 42.7%
(Regional Water Grid Storages response)
Level 1: drought response in effect as of 15/09/20
Level 2: drought trigger at 50% Water Grid level
- 14 Point Lookout**
Supply: North Stradbroke Island groundwater
Standing water level 16.54 m AHD**
Level 1: Drought trigger at 15m AHD

- 15 Rathdowney**
Supply: Maroon Dam 49.6%
Level 1: drought response in effect as of 19/10/20
Level 2: drought trigger at 25% dam level
- 16 Somerset**
Supply: Somerset Dam 75.4% (Regional Water Grid Storages response)
Level 1: drought response in effect as of 15/09/20
Level 2: drought trigger at 50% Water Grid level

*Groundwater level in metres Australian Height Datum (AHD)
**The bore chosen has the most reliable and up-to-date data that can be continuously monitored.



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.

This data has been updated as at 29 October 2020

- Full allocation
- Restricted
- Suspended

- 1 Cedar Pocket Water Supply Scheme**
Cedar Pocket Dam currently 58.4% (down 14.9% from last month)
Announced allocations Medium Priority 100%
- 2 Mary Valley Water Supply Scheme**
Borumba Dam currently 81.3% (down 4.8% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)
- 3 Central Brisbane Water Supply Scheme**
Wivenhoe Dam/Somerset Dam currently 50.7% (down 1.0% from last month)
Announced allocations Medium Priority 70% (also supplies high priority)
* Proposed amendments to water sharing rules in process.
- 4 Lower Lockyer Water Supply Scheme**
Atkinson Dam currently 5.4% (no change from last month)
Announced allocations Medium Priority 0%
- 5 Warril Valley Water Supply Scheme**
Moogerah Dam currently 20.0% (down 2.0% from last month)
Announced allocations Medium Priority 31% (also supplies high priority)
* Proposed amendments to water sharing rules in process.
- 6 Logan River Water Supply Scheme**
Maroon Dam currently 49.6% (down 3.4% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)
- 7 Central Lockyer Water Supply Scheme**
Clarendon Dam & Bill Gunn Dam currently 2.3% (no change from last month)
Announced allocation (surface water) Morton Vale 0%, Medium Priority 0% (all zones)
Announced allocation (ground water) Medium Priority 80%, Low Priority 60%