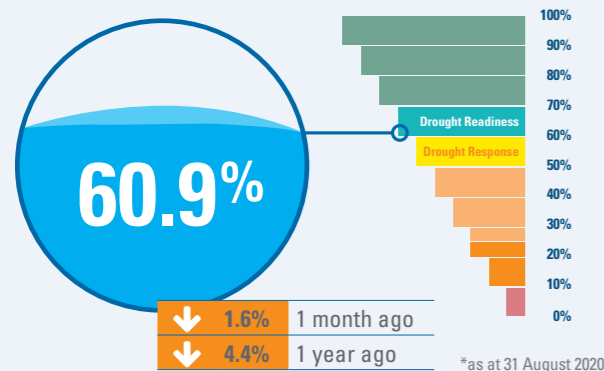
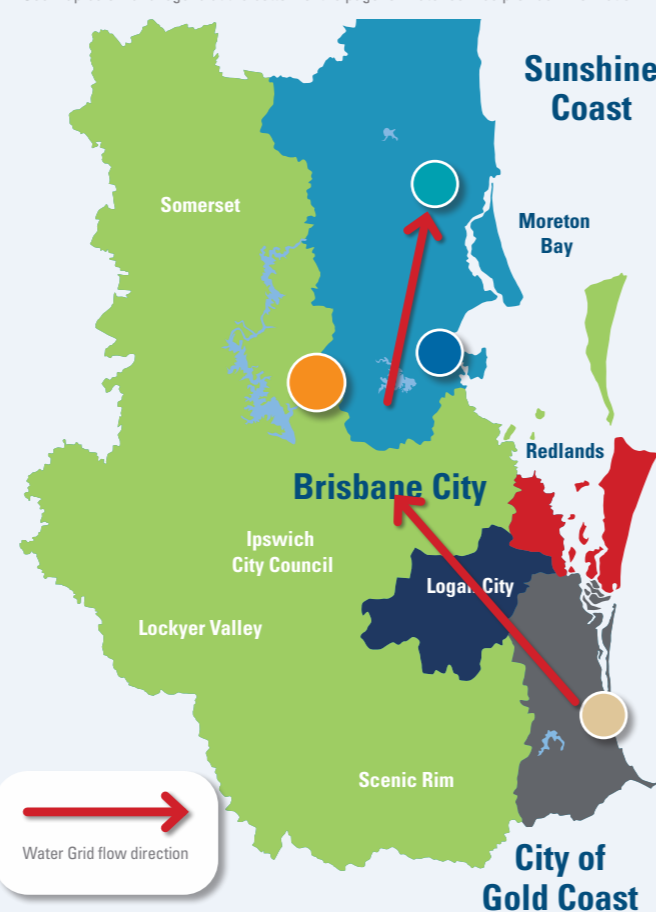
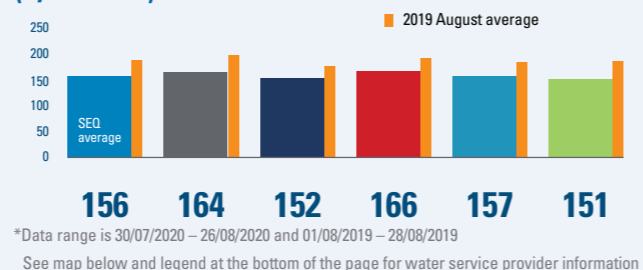


Water Grid capacity



Average daily residential consumption (L/Person)



Dam storage levels

*Data correct at 28 August 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 **54,301 ML**

↓ 1.0% 1 week ago
↓ 1.7% 1 month ago
↓ 6.4% 1 year ago

STORAGE LEVEL 89.0%

North Pine (Lake Samsonvale)

Full supply capacity **214,302 ML**
Current capacity **123,558 ML**

↓ 0.9% 1 week ago
↓ 2.1% 1 month ago
↓ 8.6% 1 year ago

STORAGE LEVEL 59.7%

Wivenhoe/Somerset

Full supply capacity **1,545,089 ML¹**
Current capacity **824,412 ML**

↓ 0.5% 1 week ago
↓ 1.3% 1 month ago
↓ 5.1% 1 year ago

STORAGE LEVEL 53.5%

¹combined dam levels

Hinze

Full supply capacity **310,730 ML**
Current capacity **284,627 ML**

↓ 0.8% 1 week ago
↓ 1.8% 1 month ago
↑ 0.4% 1 year ago

STORAGE LEVEL 91.6%

Grid operations and overall water security position

The South East Queensland (SEQ) Water Grid storage is currently at 60.9%, down from 62.5% last month, and rapidly approaching the 60% Drought Response trigger. Current modelling indicates that reaching the 60% Drought Response trigger and implementation of the Drought Response plan could occur by mid-September, subject to conditions and water usage. As part of the Drought Response plan, the Gold Coast Desalination Plant will begin to operate up to 100% capacity to increase water supply and South East Queenslanders will be asked to reduce their water usage. The target for residential usage is 150 litres per day (LPD).

August was a dry month for SEQ with only 19.4mm of rain falling in the Brisbane area compared to 59.4mm in July. Lake Wivenhoe – the region's largest water storage – has now had three consecutive months of levels below 50%. This is only the second time this has happened since the Millennium Drought in 2009, with October 2019 to Jan 2020 the first occurrence.

Although inflows to the dams were down this month, average SEQ water usage remains low at 156 LPD compared to 2019 usage this time last year at 187 LPD. This comparative saving of 31 LPD shows that SEQ residents understand how to be waterwise as we head towards the 150 LPD water demand target set for Drought Response at 60%.

The Southern Regional Water Pipeline (SRWP) continues to operate in a northerly direction supported by the Gold Coast Desalination Plant when required. The Northern Pipeline is currently operating in a northerly direction to help with maintenance operations.

Although there has been dry weather recently, The Bureau of Meteorology (BOM) outlook for September to November is for wetter than average conditions with 70-80% chance of above median rainfall and for a wetter summer ahead. The El Niño/Southern Oscillation outlook from BOM is currently on "La Niña ALERT" with modelling suggesting sea temperatures will approach or exceed La Niña thresholds during the southern hemisphere spring.

End of month storage level assuming repeat of 2019 storage level decline:

Sep-20	59.3%	Mar-21	46.5%
Oct-20	56.9%	Apr-21	45.8%
Nov-20	54.6%	May-21	45.2%
Dec-20	52.0%	Jun-21	43.9%
Jan-21	51.5%	Jul-21	43.1%
Feb-21	49.2%		

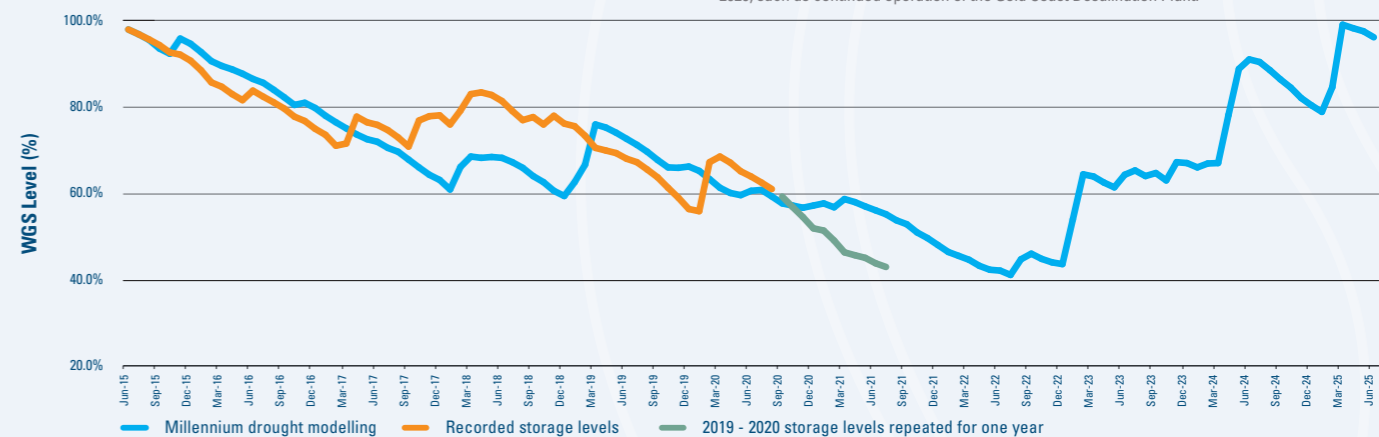
Water Grid storage

Water Grid storage actual drawdown to 28 August 2020, and projected draw down.

The Water Grid drawdown graph shows historical storage data and a projected draw down if the same rate observed between January 2019 and December 2019 occurred in the corresponding months from August 2020 until July 2021.¹ The Millennium Drought is shown to compare drawdowns over an extended drought period (see figure 1).

Figure 1: Water Grid storage drawdowns.

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.



Soil moisture

The rise in deep soil moisture that occurred due to the Feb-March 2020 rainfall continues to slowly decrease and is currently 35.25% full. There still needs to be significant rainfall events to see recovery and inflows into the catchment. (see figure 2).

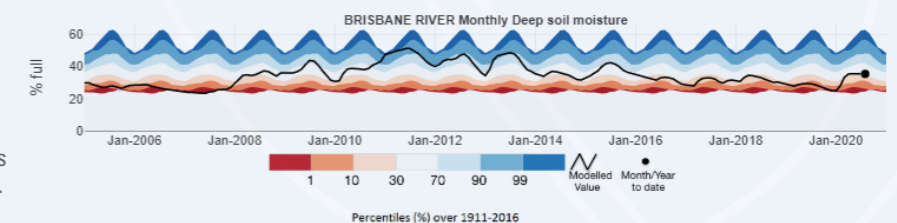
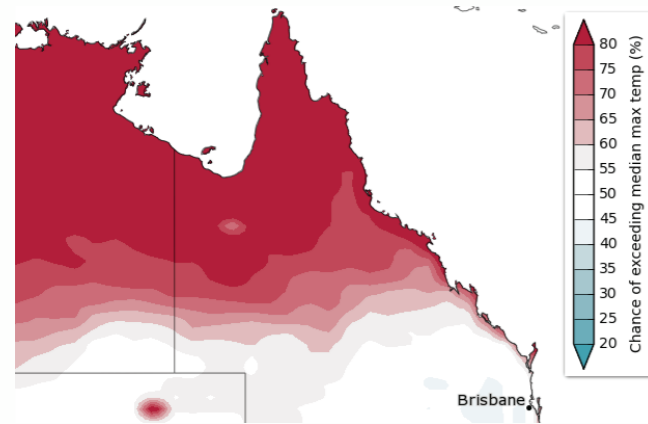


Figure 2: Brisbane River catchment monthly deep soil moisture – modelled estimate to August 2020 (source Bureau of Meteorology AWRA-L)

Weather forecasts

Temperature

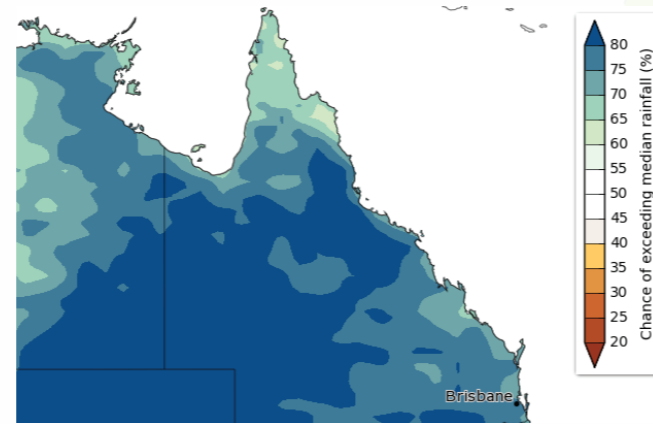
The median maximum temperature for the Brisbane area from September to November is forecast at 26.4°C. The chance of exceeding the median temperature has an equal likelihood with a 40-65% probability. The past accuracy of these predictions has been classed as “very high”.



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

Rainfall

Median rainfall for the Brisbane area from September to November is forecast at 171mm. There is a likely chance of exceeding the median with a 70-80% probability. The past accuracy of these predictions has been classed as “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.

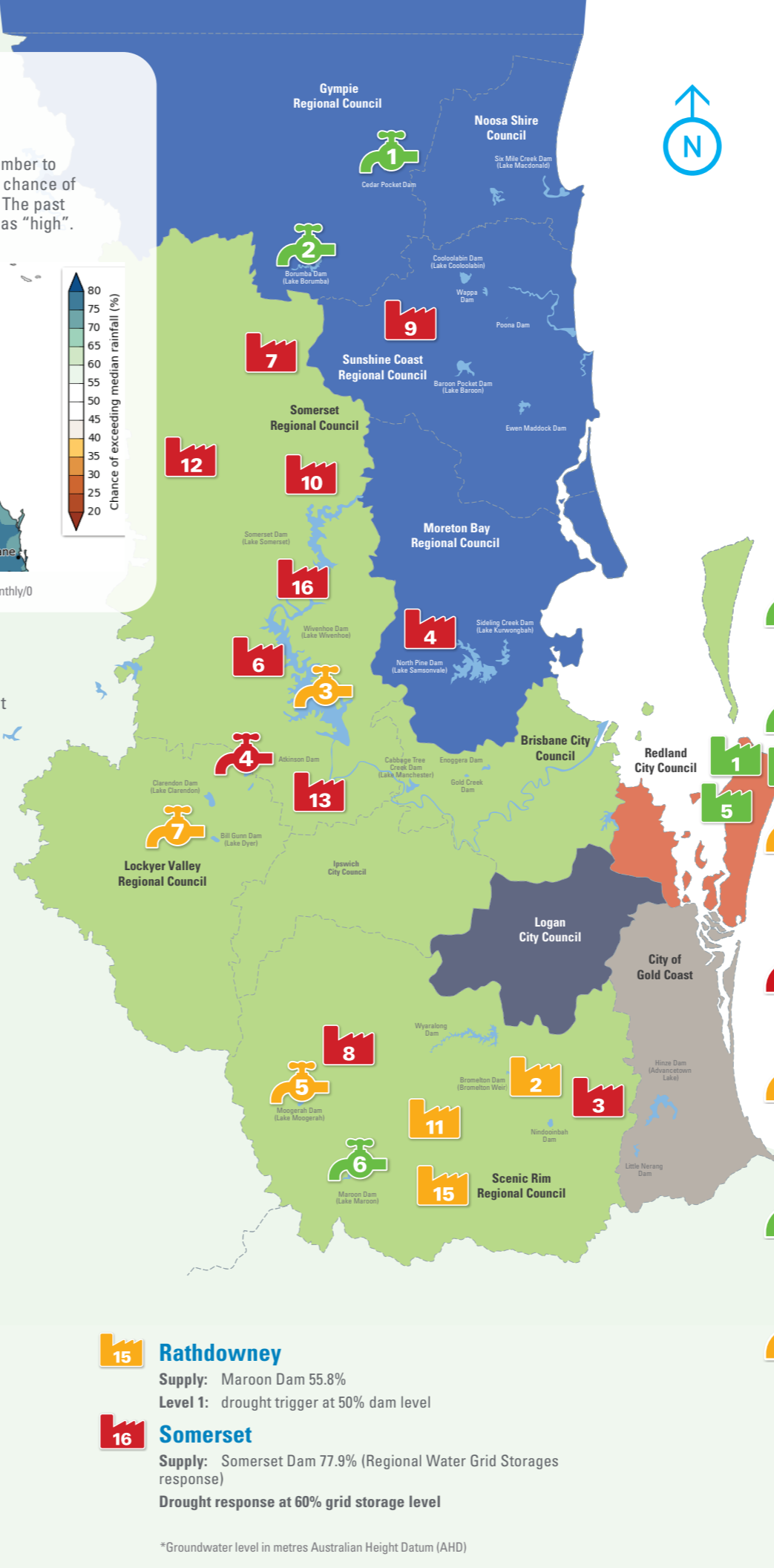
This table has been updated as at 28 August 2020.

- 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 16.492 m AHD
Level 1: drought trigger at 15 m AHD
- 2 Beaudesert**
Supply: Maroon Dam 55.3%
Level 1: drought trigger at 50% dam level
- 3 Canungra**
Supply: Canungra Creek Stream flow ~12.85 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: groundwaterWell No. 1
standing level >RL 41.10 m AHD
Level 1: drought trigger at RL 40.7 m AHD
- 5 Dunwich**
Supply: North Stradbroke Island groundwater
Standing water level 16.492 m AHD
Level 1: drought trigger at 15 m AHD
- 6 Esk**
Supply: Wivenhoe Dam 45.6%
(Regional Water Grid Storages response)
Drought response at 60% grid storage level
- 7 Jimna**
Supply: Yabba Creek Water has ceased flowing over the weir
Level 1: drought response in effect as of 6/5/20
Level 2: drought trigger — when the Big Hole is 8m below normal operating level

- 8 Kalbar (Boonah, Aratula and Mount Alford)**
Supply: Moogerah Dam 26.5%
Level 2: drought response in effect as of 31/8/20
Level 3: drought trigger at 15% dam level
- 9 Kenilworth**
Supply: Wells near the Mary River
Bellbird Creek flow ~4.33 ML/day
Level 1: drought trigger at 0 ML/day flow
- 10 Kilcoy**
Supply: Somerset Dam 77.9%
(Regional Water Grid Storages response)
Drought response at 60% grid storage level
- 11 Kooralbyn**
Supply: Maroon Dam 55.8%
Level 1: drought trigger at 50% dam level
- 12 Linville**
Supply: Brisbane River at Linville — 1.71 ML/day
Level 1: drought trigger - water treatment plant unable to meet demand
- 13 Lowood**
Supply: Wivenhoe Dam 47.4%
(Regional Water Grid Storages response)
Drought response at 60% grid storage level
- 14 Point Lookout**
Supply: North Stradbroke Island groundwater
Standing water level 16.615 m AHD
Level 1: Drought trigger at 15 m AHD

- 15 Rathdowney**
Supply: Maroon Dam 55.8%
Level 1: drought trigger at 50% dam level
- 16 Somerset**
Supply: Somerset Dam 77.9% (Regional Water Grid Storages response)
Drought response at 60% grid storage level



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 28 August 2020

- 100% allocated
- < 100% allocated
- 0% allocated

- 1 Cedar Pocket Water Supply Scheme**
Cedar Pocket Dam currently 82.8% (down 2.7% from last month)
Announced allocations Medium Priority 100%
- 2 Mary Valley Water Supply Scheme**
Borumba Dam currently 90.4% (down 2.2% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)
- 3 Central Brisbane Water Supply Scheme**
Wivenhoe Dam/Somerset Dam currently 53.5% (down 1.3% from last month)
Announced allocations Medium Priority 85% (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 Warrill Valley Water Supply Scheme**
Moogerah Dam currently 25.2% (down 1.3% from last month)
Announced allocations Medium Priority 19% (also supplies high priority)
* Proposed amendments to water sharing rules in process.
- 6 Logan River Water Supply Scheme**
Maroon Dam currently 55.3% (down 0.5% 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% (1.5% increase 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%

*Groundwater level in metres Australian Height Datum (AHD)