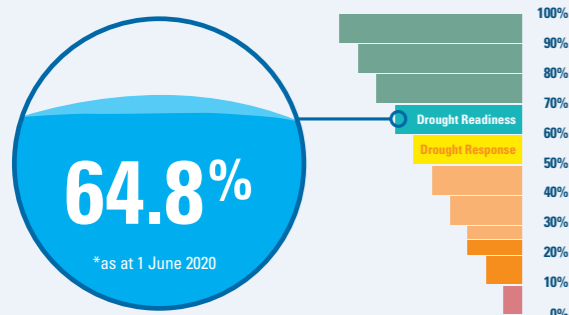


Water Grid capacity



Dam storage levels

*Data correct at 28 May 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 **59,979 ML**

- ↓ 0.8% 1 week ago
- ↓ 3.4% 1 month ago
- ↓ 5.7% 1 year ago

STORAGE LEVEL 94.1%

North Pine (Lake Samsonvale)
Full supply capacity **214,302 ML**
Current capacity **141,578 ML**

- ↓ 0.6% 1 week ago
- ↓ 2.3% 1 month ago
- ↓ 6.7% 1 year ago

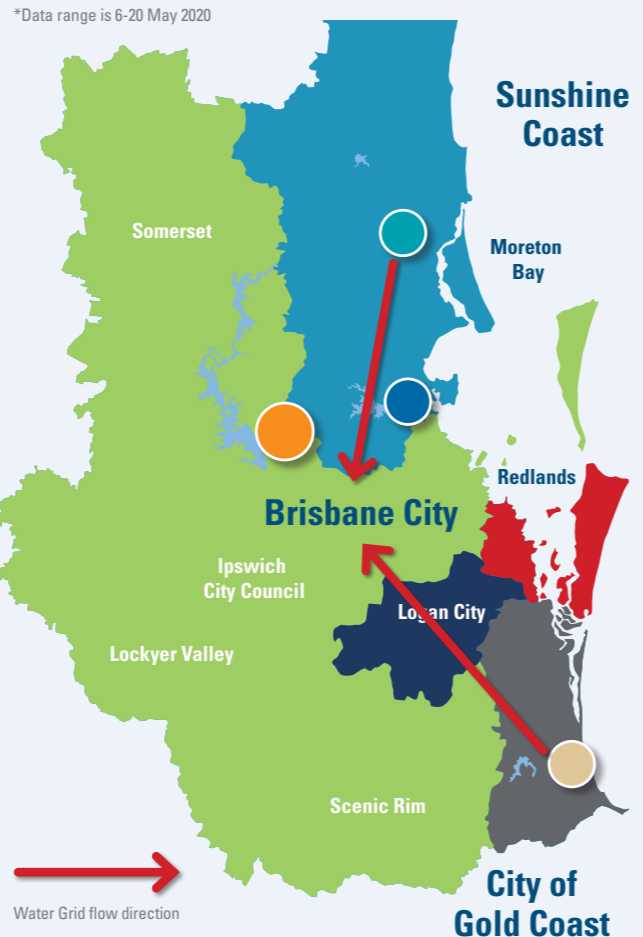
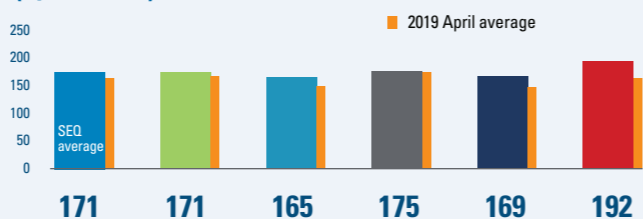
STORAGE LEVEL 63.5%

Wivenhoe/Somerset
Full supply capacity **1,545,089 ML**
Current capacity **982,867 ML**

- ↓ 0.2% 1 week ago
- ↓ 1.3% 1 month ago
- ↓ 4.9% 1 year ago

STORAGE LEVEL 57.1%

Average daily residential consumption (L/Person)



Hinze
Full supply capacity **310,730 ML**
Current capacity **306,161 ML**

- ↓ 0.6% 1 week ago
- ↓ 2.1% 1 month ago
- ↑ 2.4% 1 year ago

STORAGE LEVEL 96%

Grid operations and overall water security position

Although there was some rain late in the month, South East Queensland (SEQ) continued to remain mostly dry during May. Due to the lack of rainfall and inflows, the SEQ Water Grid storage has reduced further from 66.9% last month to currently sitting at 64.8%. Lake Wivenhoe – the region’s largest water storage (not including Somerset Dam) – has dipped to below 50%, levels not seen since before the February-March rainfall. Water usage remains at high levels with average daily usage at 171 litres per day compared to 162 litres per day this time last year.

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 continues to operate in a southerly direction.

The Water Grid Storage level continues to decrease and SEQ remains in the ‘Drought Readiness’ phase of the region’s Drought Response Plan.

Combined storage levels this time last year were at 69% and if the same conditions experienced in 2019 were repeated this year, the level could reach the 60% ‘Drought Response’ trigger by September 2020. The BOM climate outlook for Winter is for hotter than average weather and higher than average rainfall.

Water Grid storage

Water Grid Storage actual drawdown to 28 May 2020, and projected draw down.

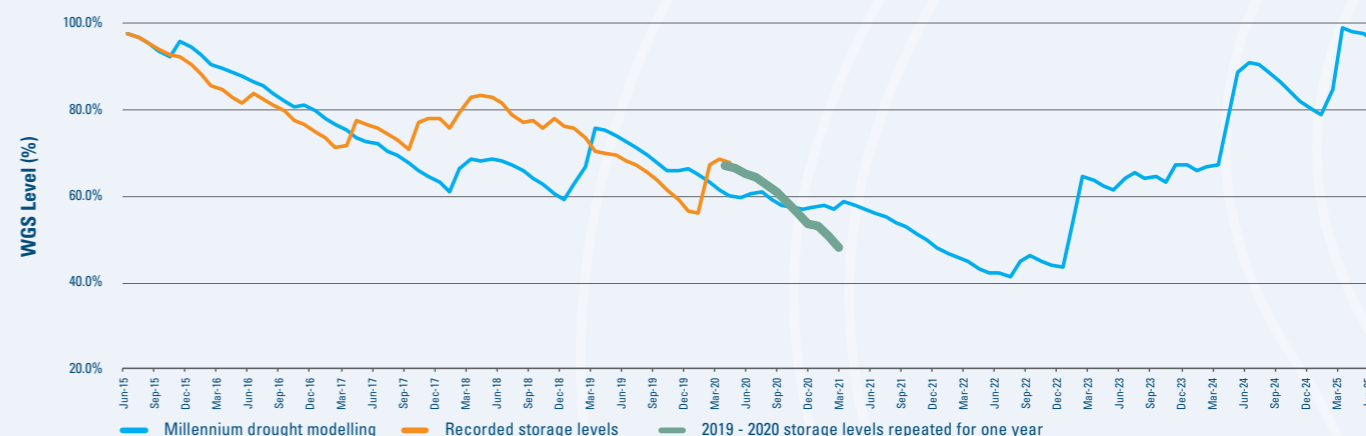
The Water Grid drawdown graph shows historical storage data and a projected draw down if the same rate observed between January 2019 and December 2019 occurred in the corresponding months from May 2020 until April 2021.¹ The millennium drought is shown to compare drawdowns over an extended drought period (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.

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

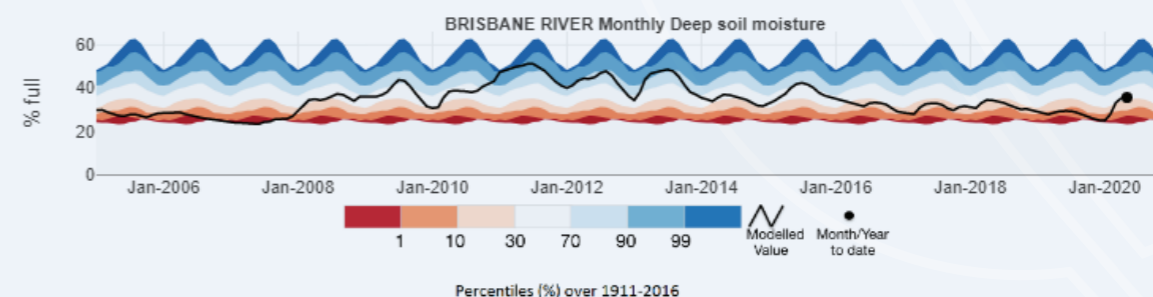
Jun-20	63.96%	Dec-20	52.36%
Jul-20	63.11%	Jan-21	51.84%
Aug-20	61.42%	Feb-21	49.56%
Sep-20	59.69%	Mar-21	46.82%
Oct-20	57.29%	Apr-21	46.17%
Nov-20	54.96%		



Soil moisture

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

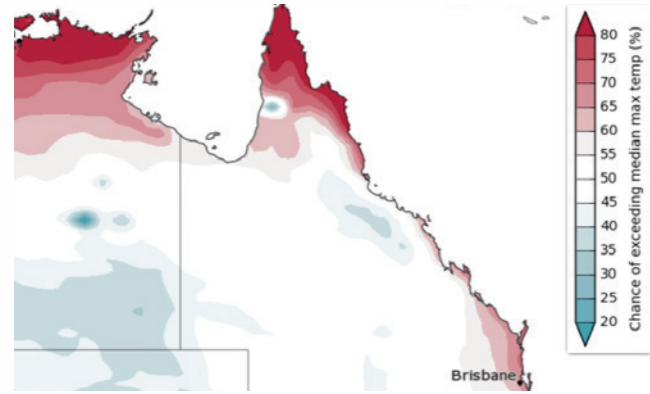
Figure 2: Brisbane River catchment monthly deep soil moisture – modelled estimate to May 2020 (source Bureau of Meteorology AWRA-L)



Weather forecasts

Temperature

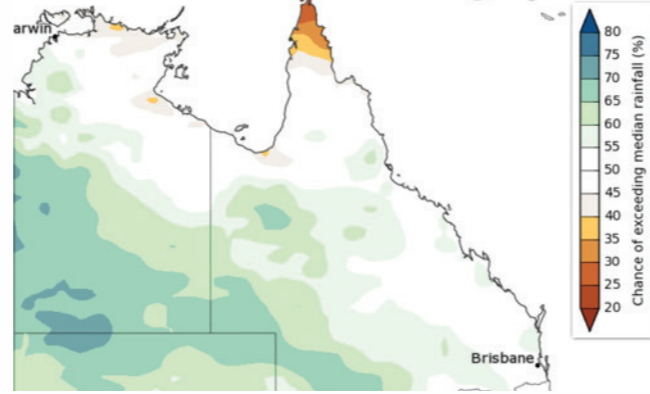
Median maximum temperature for the Brisbane area is forecast at 21.4°C. The chance of exceeding the median temperature is likely with a 65-70% probability. The past accuracy of these predictions has been classed as "high".



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

Rainfall

Median rainfall for the Brisbane area in June is forecast at 44mm. There is an equal chance of exceeding the median with a 45% - 55% probability. The past accuracy of these predictions has been classed as "moderate".



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 May 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 16.615 m AHD
Level 1 drought trigger at 15 m AHD

2 Beaudesert

Supply: Maroon Dam 58.1%
Level 1 drought trigger at 50% dam level

3 Canungra

Supply: Canungra Creek
Stream flow ~8.97 ML/day
Level 1 drought trigger at <7 ML/day flow

4 Dayboro

Supply: groundwater
Well No. 1 standing level >RL 41.07 m AHD
Level 1 drought trigger at RL 40.7 m AHD

5 Dunwich

Supply: North Stradbroke Island groundwater
Standing water level 16.615 m AHD
Level 1 drought trigger at 15 m AHD

6 Esk

Supply: Wivenhoe Dam 49.7% (Regional Water Grid Storages response)
Drought response at 60% grid storage level

7 Jimna

Level 1 drought response in effect as of 6/5/20
Supply: Yabba Creek
Water has ceased flowing over the weir
Level 3 drought trigger – the Big Hole is 8 m below normal operating level

8 Kalbar (Boonah, Aratula and Mount Alford)

Level 1 drought response in effect as of 9/9/19
Supply: Moogerah Dam 31.7%
Level 2 drought trigger at 25% dam level

9 Kenilworth

Supply: Wells near the Mary River
Bellbird Creek flow ~23.2 ML/day
Level 1 drought trigger at 0 ML/day flow

10 Kilcoy

Supply: Somerset Dam 78.4%
(Regional Water Grid Storages response)
Drought response at 60% grid storage level

11 Kooralbyn

Supply: Maroon Dam 58.1%
Level 1 drought trigger at 50% dam level

12 Linville

Supply: Brisbane River at Linville — 4 ML/day
Level 1 drought trigger – water treatment plant unable to meet demand

13 Lowood

Supply: Wivenhoe Dam 49.7%
(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 58.1%
Level 1 drought trigger at 50% dam level

16 Somerset

Supply: Somerset Dam 78.4%
(Regional Water Grid Storages response)
Drought response at 60% grid storage level

*Groundwater level in metres Australian Height Datum (AHD)

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 May 2020



100% allocated



< 100% allocated



0% allocated



1 Cedar Pocket Water Supply Scheme

Cedar Pocket Dam currently 94.7% (down 5.3% from last month)
Announced allocations: Medium Priority 100%



2 Mary Valley Water Supply Scheme

Boorumba Dam currently 98.8% (down 1.2% from last month)
Announced allocations: Medium Priority 100%
(also supplies high priority)



3 Central Brisbane Water Supply Scheme

Wivenhoe Dam/Somerset Dam currently 58.5%
(down 1% from last month)
Announced allocations: Medium Priority 100%
(also supplies high priority)
*Proposed amendments to water sharing rules by 1 July.



4 Lower Lockyer Water Supply Scheme

Atkinson Dam currently 5.4% (down 0.5% from last month)
Announced allocations: Medium Priority 0%



5 Warrill Valley Water Supply Scheme

Moogerah Dam currently 34.6% (down 3% from last month)
Announced allocations: Medium Priority 100%
(also supplies high priority)



6 Logan River Water Supply Scheme

Maroon Dam currently 59.7% (down 1.1% from last month)
Announced allocations: Medium Priority 100%
(also supplies high priority)



7 Central Lockyer Water Supply Scheme

Clarendon Dam & Bill Gunn Dam currently 0% (no change from last month)
Announced allocation (surface water): Morton Vale 0%, Medium Priority 0% (all zones)
Announced allocation (ground water): TBD