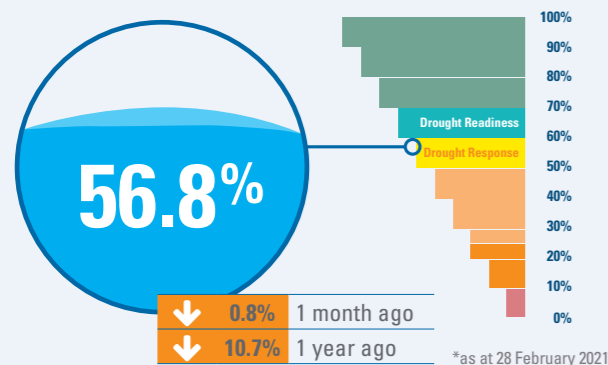
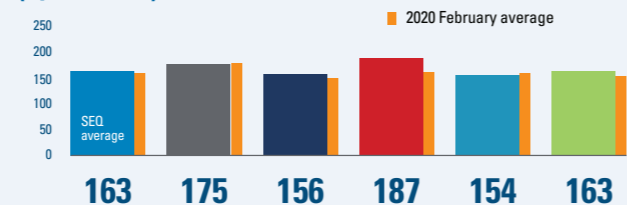


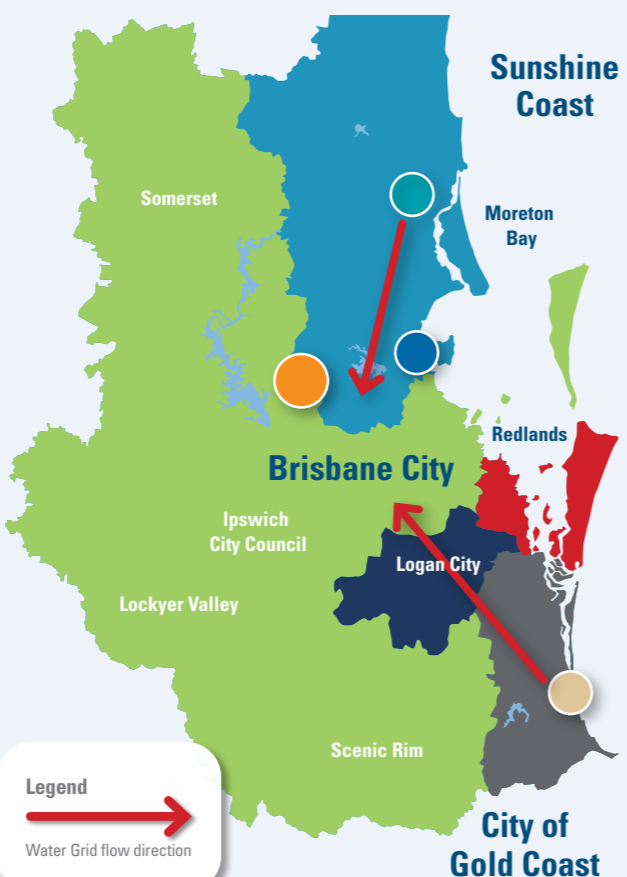
SEQ Water Grid capacity



Average daily residential consumption (L/Person)



*Data range is 28/01/2021 to 24/02/2021 and 30/01/2020 to 26/02/2020
See map below and legend at the bottom of the page for water service provider information.



Dam storage levels

*Data correct at 28 February 2021 – Dams selected are largest storages for north, south and central areas. Visit the Seqwater website for more information.



STORAGE LEVEL
89.3%



STORAGE LEVEL
48.6%



STORAGE LEVEL
46.6%



STORAGE LEVEL
101.3%



SEQ Water Grid operations and overall water security position

South East Queensland (SEQ) remains in Drought Response with combined Water Grid storages at 56.8%. The Water Grid storages continued to trend down during the month of February, with there being no significant inflows into Somerset and Wivenhoe dams.

The region's largest water storages, Somerset and Wivenhoe, are currently at a combined storage level of 46.6%. Hinze Dam is at full capacity and currently spilling. Production at the Molendinar and Mudgeeraba water treatment plants (both supplied by Hinze Dam) was maximised to make use of the excess water. The Gold Coast Desalination Plant continues to supplement water supply to the central region.

The average residential water usage is at 163 litres per person, per day (LPD). This is lower than recent historical averages for the month of February, however it is above the recommended 150 LPD average according to the SEQ Drought Response Plan.

The Southern Regional Water Pipeline continues to operate in a northerly direction, and is supported by the Gold Coast Desalination Plant. In the month of February, the Northern Pipeline Interconnector operated in a southerly direction. Grid flow operations help to distribute water in where it is needed most in SEQ.

In Autumn (March to May) rainfall is likely to be wetter than average for large parts of eastern Australia, according to the Bureau of Meteorology (BOM). The current La Niña is also forecast to end during autumn.

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

Mar 21	56.4%	May 21	54.8%
Apr 21	56.0%	Jun 21	54.1%

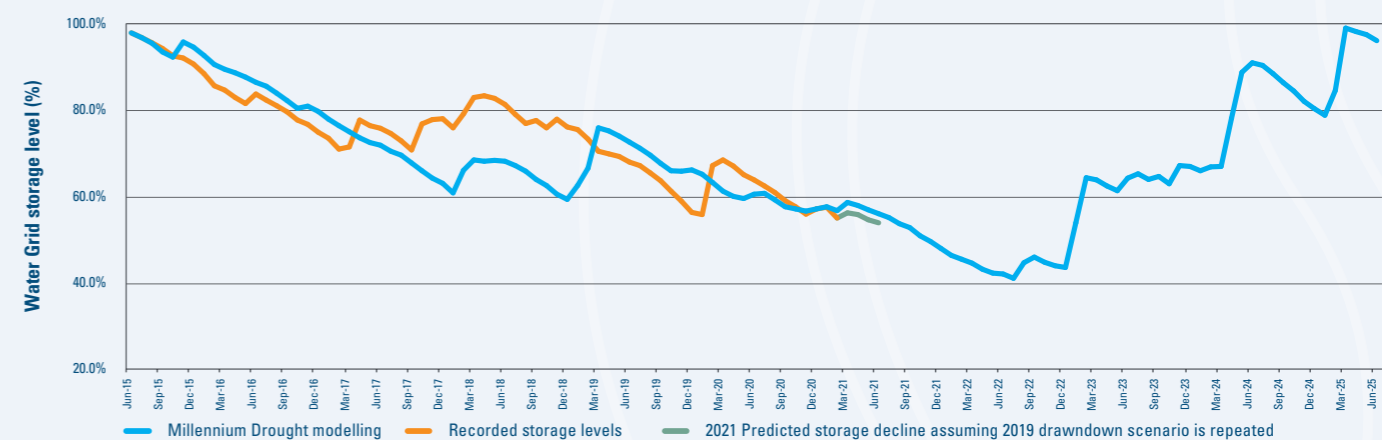
Water Grid storage

Water Grid storage actual drawdown to February 2021, and projected drawdown to June 2021.

The Water Grid drawdown graph shows historical storage data and a projected four month drawdown if the rate observed during the dry calendar year of 2019 was repeated.¹ The 2019 data is used because it was a particularly dry year. The Water Grid storage could reach 50% as soon as September 2021 if dry conditions, as observed in 2019, were to continue from March onwards. The Millennium Drought is shown with today's demand, current grid and drought response plan 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, such as continued operation of the Gold Coast Desalination Plant.



Soil moisture

The rise in deep soil moisture that occurred during the Feb-March 2020 rainfall continues to slowly decline and is now at 30.24 % full.

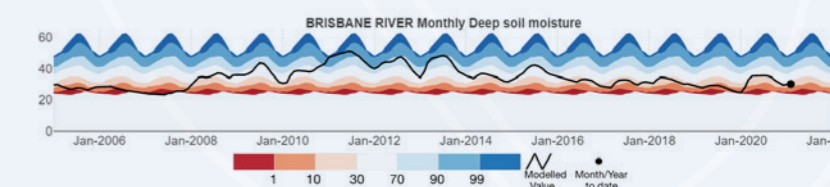
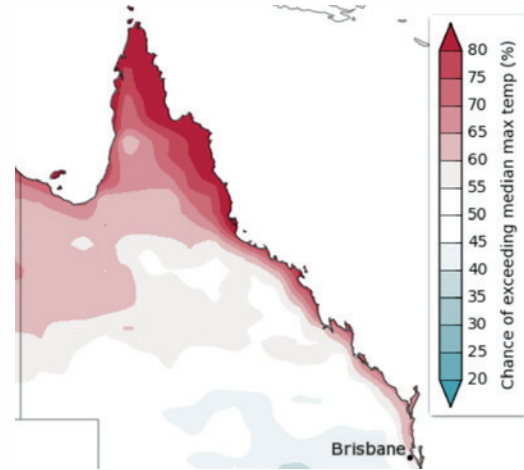


Figure 2: Brisbane River catchment monthly deep soil moisture – modelled estimate to Feb 2021 (source Bureau of Meteorology AWRA-L)

Weather outlook

Temperature

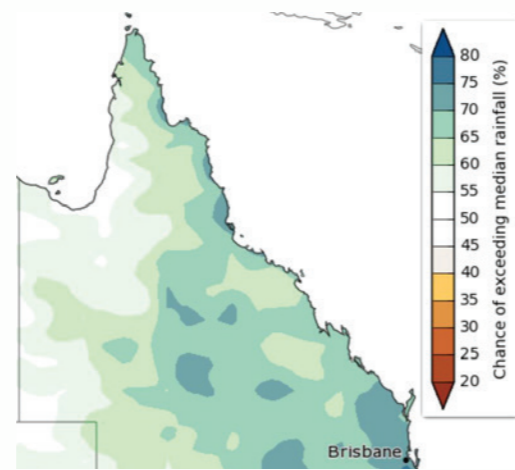
The BOM outlook is for an equal likelihood of exceeding or not exceeding the 26.2°C median maximum temperature in the Brisbane area from March to May.



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

Rainfall

The BOM outlook is for a likely chance of exceeding the 273mm median rainfall for the Brisbane area from March to May with a 70-75% probability.



<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 table has been updated as at 28 February 2021.

- 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 16.44 m AHD*
Level 1: drought trigger at 15 m AHD
- 2 Beaudesert**
Supply: Maroon Dam 57.1%
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 ~77 ML/day
Level 1: preparedness and monitoring; Flow falls to <7ML/day
- 4 Dayboro**
Supply: groundwater/ carting
Well No. 1 standing water level 41.15 m AHD
Level 1: Well No. 1 standing level falls below 40.70 m AHD
Level 2: drought response on 11/02/2021
- 5 Dunwich**
Supply: North Stradbroke Island groundwater
Standing water level 16.44 m AHD*
Level 1: drought trigger at 15 m AHD
- 6 Esk**
Supply: Wivenhoe Dam 36.2%
(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: preparedness and monitoring; no water flowing over the weir

- 8 Kalbar (Boonah, Aratula and Mount Alford)**
Supply: Moogerah Dam 13.1%
Level 2: drought response in effect as of 30/8/20
Level 3: drought trigger at 7.5% dam level
- 9 Kenilworth**
Supply: Wells near the Mary River
Bellbird Creek flow ~59 ML/day
Level 1: drought trigger at 0 ML/day flow
- 10 Kilcoy**
Supply: Somerset Dam 78.1%
(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 57.1%
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 ~1.6 ML/day
Level 1: drought response in effect as of 15/09/20
Next drought trigger: Cart from Kilcoy when water treatment plant is unable to meet demand
- 13 Lowood**
Supply: Wivenhoe Dam 36.2%
(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 16.44 m AHD*
Level 1: drought trigger at 15 m AHD

- 15 Rathdowney**
Supply: Maroon Dam 57.1%
Level 1: drought response in effect as of 19/10/20
Level 2: drought trigger at 25% dam level
- 16 Somerset**
Supply: Somerset Dam 78.1% (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

*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 28 February 2021.

- Full allocation
- Restricted
- Suspended

1 Cedar Pocket Water Supply Scheme
Cedar Pocket Dam currently 63.5% (down 3% from last month)
Announced allocations Medium Priority 100%

2 Mary Valley Water Supply Scheme
Borumba Dam currently 78.7% (down 0.6% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)

3 Central Brisbane Water Supply Scheme
Wivenhoe Dam/Somerset Dam currently 46.6% (down 1.2% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)

4 Lower Lockyer Water Supply Scheme
Atkinson Dam currently 3.2% (down 0.5% from last month)
Announced allocations Medium Priority 0%

5 Warrill Valley Water Supply Scheme
Moogerah Dam currently 13.1% (down 1.5% from last month)
Announced allocations Medium Priority 31% (also supplies high priority)

6 Logan River Water Supply Scheme
Maroon Dam currently 57.1% (up 1.3% from last month)
Announced allocations Medium Priority 100% (also supplies high priority)

7 Central Lockyer Water Supply Scheme
Clarendon Dam & Bill Gunn Dam currently 2.5% (down 0.6% 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%