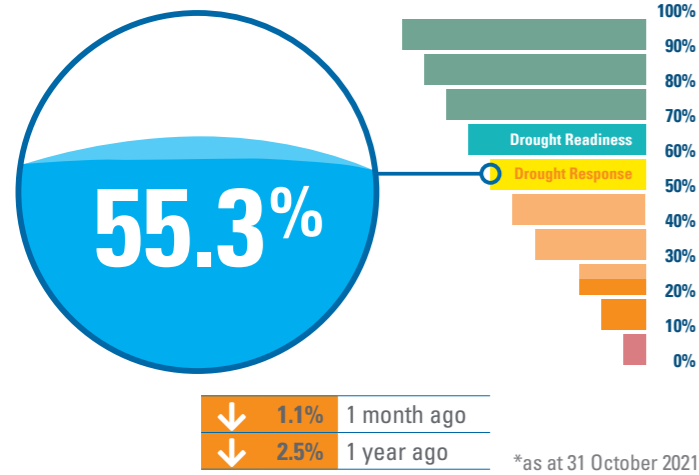


### Overall water security position



As we continue to move through Spring and approach Summer, the SEQ Water Grid storage levels have continued to drop, even with recent rainfall. Although we are entering the wet season and the BOM is predicting higher than average rainfall over the next few months, significant rainfall within the Brisbane water supply catchments is required to improve water grid storage levels.

Wivenhoe and Somerset Dam (Somerset flows into Wivenhoe) continue to be areas of interest as Wivenhoe and Somerset's combined level is 44.8%, which is 5.7% lower than the same time a year ago. It is noted that these storage levels are the lowest experienced in SEQ since the Millennium Drought.

**Wivenhoe/Somerset**

Full supply capacity **1,545,089 ML<sup>1</sup>**  
Current capacity **692,383 ML**

- ↓ 0.2% 1 week ago
- ↓ 1.3% 1 month ago
- ↓ 5.7% 1 year ago

<sup>1</sup>combined dam levels

**STORAGE LEVEL 44.8%**

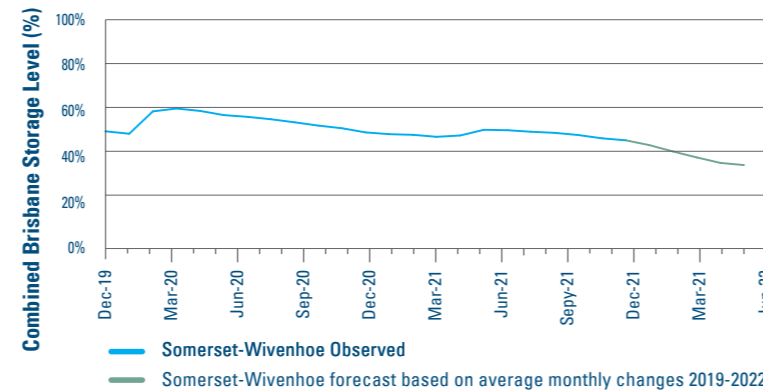
80.3%

Baroon Pocket

Purified Recycled Water (PRW) continues to be supplied to industry, substituting water that otherwise would have been taken from Wivenhoe Dam. This initiative is helping to us to preserve the grid water supply. 4,112 ML has been supplied to industry since 15 September 2020.

Two additional trains at Luggage Point Advanced Water Treatment Plant are currently being recommissioned to triple the supply of PRW available to industry; reducing the demand on the grid further.

### Wivenhoe and Somerset future levels should recent conditions repeat



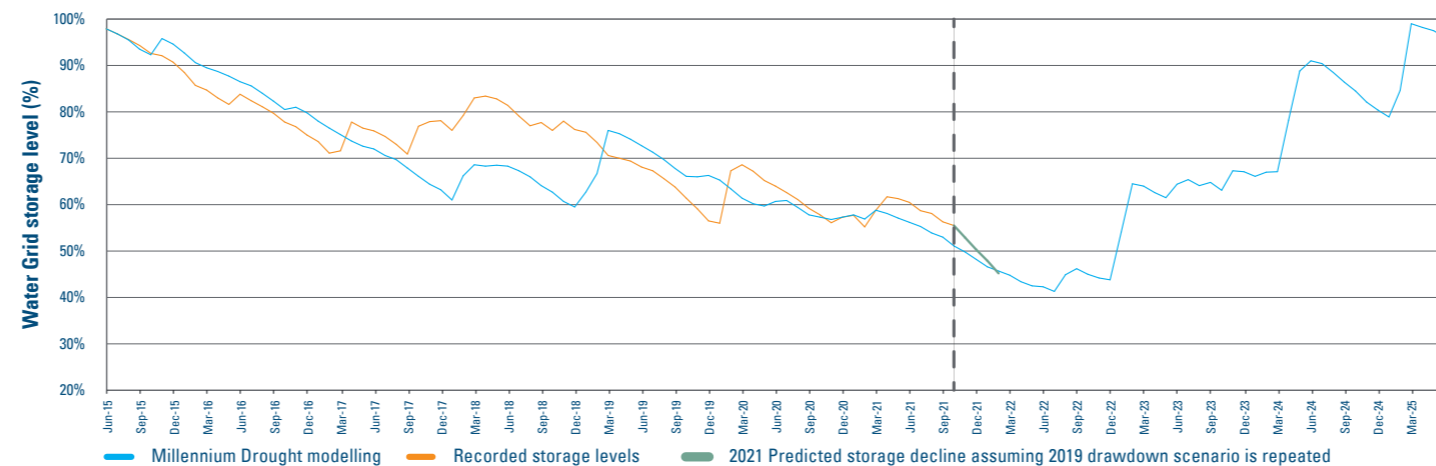
### Water Grid storage

#### Water Grid storage actual draw down to October 2021 with projected drawdown to February 2022.

The SEQ Water Grid drawdown graph shows historical storage data and a projected five month drawdown if the rate observed during the dry calendar year of 2019 was repeated.<sup>1</sup> The 2019 data is used because it was a particularly dry year. The Water Grid storage could reach 50% as soon as January 2022 if dry conditions, as observed in 2019, were to continue from November 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).

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

Figure 1: Water Grid storage drawdowns



End of month storage decline assuming a repeat of the particularly dry 2019 year (2020 data not used):  
Nov 21 - 52.9% | Dec 21 - 50.3% | Jan 21 - 47.5% | Feb 22 - 45.2%

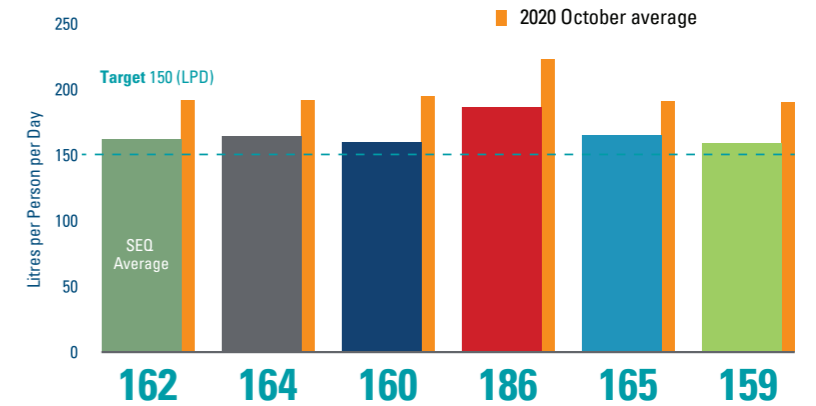


### Average daily residential consumption

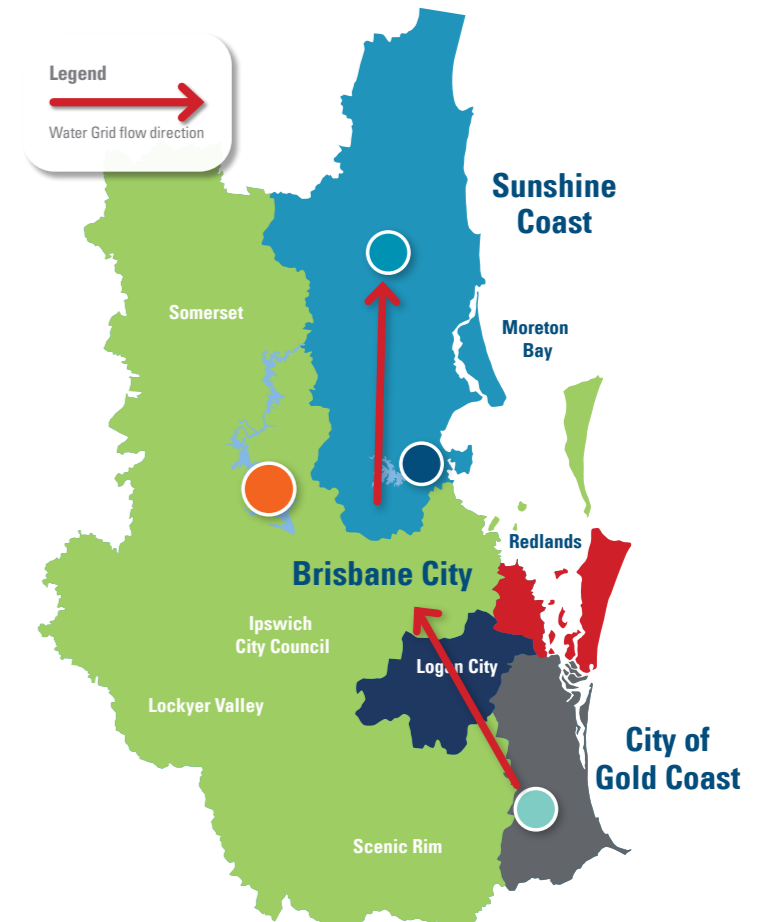
Wet weather experienced across the region in October resulted in a lower average daily consumption of 162 litres per person per day (LPD) this month compared with last month (September average was 171 LPD).

With the grid level well below 60%, we continue to operate in drought response mode and Seqwater continues to encourage the community to be water efficient.

It is recognised that if significant rainfall does not occur the water grid storages may reduce to 50%, potentially as early as January 2022. Seqwater and the Water Service Providers are therefore preparing for potential water restrictions for the approaching summer.



\*Data range is 23/09/2021 - 20/10/2021 and 24/09/2020 - 21/10/2020



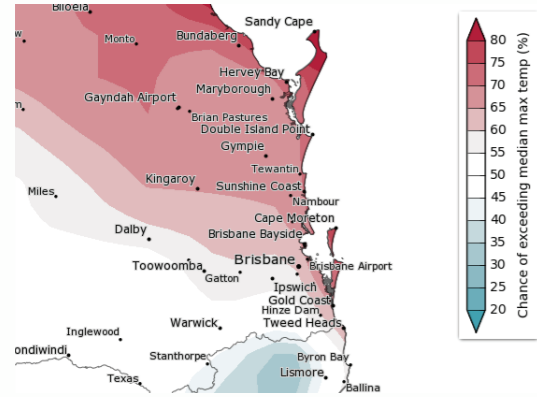
The Southern Regional Water Pipeline has operated in the northern direction and the Northern Pipeline Interconnector (NPI) has predominantly operated in the Northern direction for this month. The NPI has predominantly operated in the Northern direction for most of this month to support infrastructure maintenance, however, by the end of October it had returned to operating South.

The Gold Coast Desalination Plant continues to operate to slow the drawdown of dam storages. Since Drought Response was initiated 15 September 2020, the desalination plant has contributed 23,362 ML to the grid.

## Weather outlook

### Temperature

The Bureau of Meteorology (BOM) outlook is that there is a high chance predicted (45-75%) of exceeding median max temperature November 2021 to January 2022.



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

\*as at 26 October 2021

### Rainfall

The BOM outlook is that there is a 60-70% chance of exceeding median rainfall November 2021 to January 2022.



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

## Likelihood of grid levels improving in the short term

There is not considered to be a high likelihood of grid levels improving materially the short-term. Chances of the water grid storages noticeably improving increase during the wet season, however summer is also associated with higher evaporation and water demand. It is therefore considered prudent to continue to plan for declining water grid storage levels.

## 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 26 October 2021

### Sunshine Coast Regional Council

**1 Kenilworth** Wells near the Mary River Bellbird Creek flow ~ 8.24 ML/day

### Moreton Bay Regional Council

**2 Dayboro** Groundwater Well No 1 standing water level 41.0 m AHD

### Somerset Regional Council

**3 Jimna** Yabba Creek; water flowing over The Big Hole Weir

**4 Linville** Brisbane River at Linville ~ 2.93 ML/day

### Redland City Council

**5 Amity Point**

**6 Point Lookout** North Stradbroke Island Groundwater; standing water level 17.368 m AHD\*

**7 Dunwich**

### Scenic Rim Regional Council

**8 Kalbar** (Boonah, Aratula and Mount Alford) Moogerah Dam 39.5%

**9 Canungra** Canungra Creek; stream flow ~ 36.43 ML/day

**10 Beaudesert**

**11 Kooralbyn** Maroon Dam 98.8%

**12 Rathdowney**

Water source status  
Restriction status

## Water source status

- Source meeting demand
- Approaching water carting
- Supplementary carting
- Full carting

## Restrictions status

- Water efficiency awareness
- Voluntary conservation
- Medium level water restrictions
- High level water restrictions or greater

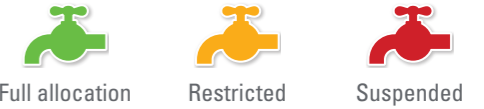
\*The bore chosen has the most reliable and up-to-date data that can be continuously monitored.



## 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 26 October 2021.



**1 Cedar Pocket Water Supply Scheme**  
Cedar Pocket Dam currently 73.4% (up 0.4% from last month)  
Announced allocations Medium Priority 100%

**2 Mary Valley Water Supply Scheme**  
Borumba Dam currently 74.9% (down 1.3% from last month)  
Announced allocations Medium Priority 100% (also supplies high priority)

**3 Central Brisbane Water Supply Scheme**  
Wivenhoe Dam/Somerset Dam currently 45% (down 1.08% from last month)  
Announced allocations Medium Priority 70% (also supplies high priority)

**4 Lower Lockyer Water Supply Scheme**  
Atkinson Dam currently 3.4% (down 0.1% from last month)  
Announced allocations Medium Priority 0%

**5 Warrill Valley Water Supply Scheme**  
Moogerah Dam currently 39.5% (down 0.2% from last month)  
Announced allocations Medium Priority 80% (also supplies high priority)

**6 Logan River Water Supply Scheme**  
Maroon Dam currently 98.8% (up 0.2% from last month)  
Announced allocations Medium Priority 100% (also supplies high priority)

**7 Central Lockyer Water Supply Scheme**  
Clarendon Dam & Bill Gunn Dam currently 1.1%\* (up 0.28% from last month)  
Announced allocation (surface water) Morton Vale 0%, Medium Priority 0% (all zones)  
Announced allocation (groundwater) Medium Priority 80%, Low Priority 60%

\*Calculation of % corrected since previous report.