

Korumburra Water Supply System



The town of Korumburra receives its water supply from three main sources:

- Coalition Creek Reservoir: 143 ML capacity
- Ness Gully Reservoir: 73 ML
- Bellview Creek Reservoir: 359 ML capacity

There are also two alternative supply sources during drought:

- Tarwin River West Branch (also supplying Leongatha)
- Groundwater bore (also supplying Leongatha)

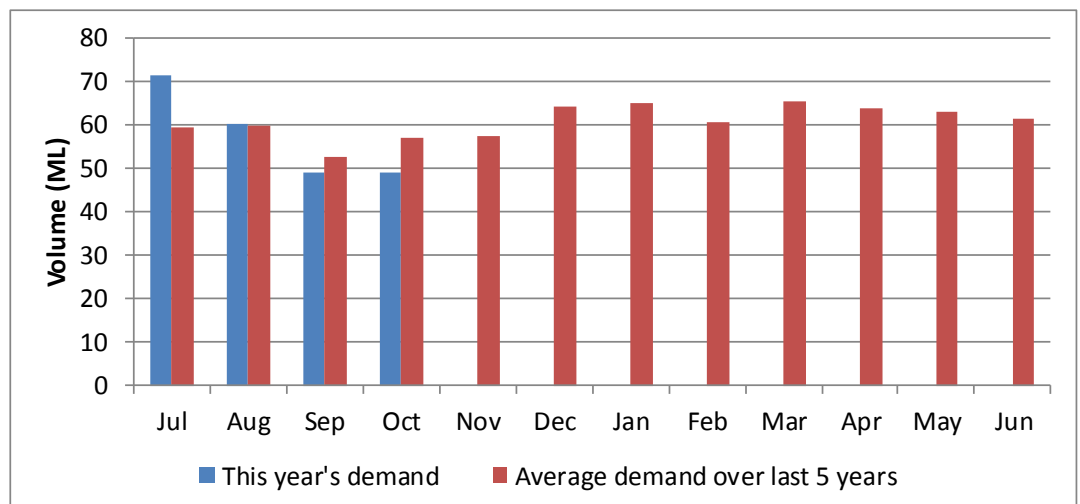
Water Supply Information

Water resources held by South Gippsland Water for the Korumburra Water Supply System are shown below. 23% of the available annual entitlement from the Korumburra storages has been used in the current year to date (Jul-Oct 2017). This entitlement is a legal right to access water, subject to availability. No water has been diverted over this period to the Korumburra storages from the alternative supplies of the Tarwin River West Branch and Groundwater.

| Water Component | Maximum Annual Entitlement | Volume Extracted 2017-18 | Volume Remaining 2017-18 |
|--|----------------------------|--------------------------|--------------------------|
| Coalition Creek , Ness Gully and Bellview Creek Reservoirs | 1000 ML | 229 ML | 771 ML |

Water Consumption

Monthly water consumption for the Korumburra Water Supply System in the year to date is similar to the average demand over the last five years. Water use by major customer Burra Foods has been 20% lower than last year in the year to date, although still above their long term average water consumption.



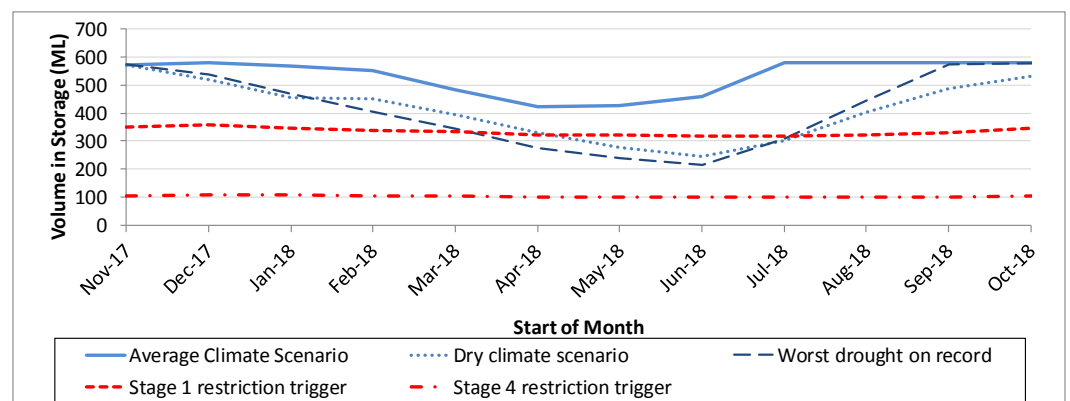
Climate Conditions

Forecast climate conditions for the coming three months have considered the Bureau of Meteorology’s seasonal climate forecast for the region and local climate conditions in the year to date. The Bureau’s climate outlook indicates that rainfall over the next three months is likely to be similar to the long-term average. Winter/spring rainfall in the year to date has been average to slightly below average. Air temperature is forecast over the next three months to be higher than the long-term average for this time of year, but any increase in demands from these higher temperatures is likely to be moderated by the anticipated rainfall. After taking these factors into account, South Gippsland Water is forecasting on the basis of an average climate scenario, which is characterised by streamflows into the Korumburra storages and supply from the Tarwin River West Branch that are similar to long-term average values.

| Chance of Exceeding Median Rainfall | Chance of Exceeding Median Maximum Temperature | This Year’s Spring Rainfall | Likely Outlook Scenario |
|-------------------------------------|--|-----------------------------|-------------------------|
| 55-60% | 65-70% | Average | Average |

Urban Water Restrictions Outlook

The volume in storage outlook for the Korumburra Water Supply System for the period November 2017 to October 2018 is shown in the following figure. These outlooks assume supplementary supply from the Tarwin River West Branch of 150-330 ML. After accessing these supplementary water resources, storage levels are not expected to drop below the trigger for restrictions under the anticipated average climate scenario.



Supply system behaviour will continue to be monitored over the coming months. South Gippsland Water will manage the supply system performance over the outlook period by balancing the uncertainty in future climate conditions and the water available for diversion with the changes in system demands and operational risks. South Gippsland Water has a plan in place under which supply can be supplemented to reduce the severity of restrictions including close monitoring of Tarwin River stream flows, if required. When supplementary water is accessed Stage 1 restrictions is planned to be implemented as part of the demand management.

Further Information:

- The Korumburra Water Supply System Storages were 100% full at the end of October.
- Volumes shown in the storage outlook are start of month values in megalitres (ML), where 1 ML is equivalent to 1 million litres (or roughly one Olympic sized swimming pool).

- South Gippsland Water has a short-term plan in place to manage supplies over the outlook period, and a long-term plan to reduce demand and improve the reliability of supply in future years

South Gippsland Water’s Permanent Water Savings Plan applies to all customers during other months.

| Climate Scenario | Outlook | | | | | | | |
|------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 1 Dec 2017 | 1 Jan 2018 | 1 Feb 2018 | 1 Mar 2018 | 1 Apr 2018 | 1 May 2018 | 1 Jun 2018 | 1 Jul 2018 |
| Wet | PWSP | PWSP | PWSP | PWSP | PWSP | PWSP | PWSP | PWSP |
| Average | PWSP | PWSP | PWSP | Stage 1 | Stage 1 | Stage 1 | Stage 1 | PWSP |
| Dry | PWSP | Stage 1 | Stage 1 | Stage 1 | Stage 1 | Stage 1 | Stage 2 | Stage 1 |

PWSP Permanent Water Savings Plan

Action Plan

A list of priority actions for this supply system is presented below. This incorporates plans as specified in the previous Water Supply Demand Strategies, recent Urban Water Strategy and other ongoing management activities. Further information on actions can be found in the Urban Water Strategy published in 2017 and Water Plan 3 publications on our website. The next phase of our Water Plan and Pricing Review is currently underway.

| Action Name | Timing |
|---|--------------------------------------|
| Demand management | Stage 1 restrictions from March 2018 |
| Reduce leaks and wastage | Ongoing |
| Update water security outlook | Every November |
| Pipeline connection between Lance Creek Reservoir and Korumburra (and extending to Poowong) has been designed. Tenders will be issued for construction of the pipeline and associated pump stations by mid-December 2017. Anticipated project completion by 30 th June 2019. | Expected mid-2019 |
| Completed extension of temporary summer diversion licence from Tarwin River to allow pumping up to 30 June 2020 | Completed early 2015 |

The information provided in this water security outlook is intended as a guide only. An update will be issued if conditions change during the outlook period.