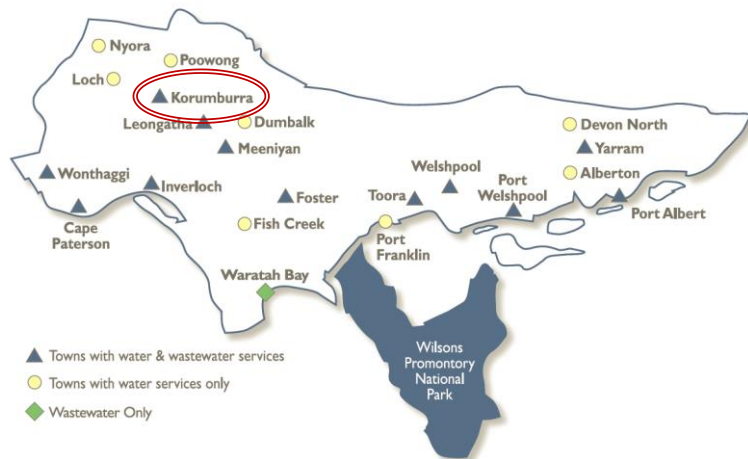


Korumburra Water Supply System



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

- Coalition Creek Reservoir: 143 ML capacity
- Ness Gully Reservoir: 74 ML
- Bellview Creek Reservoir: 362 ML capacity

There are also two alternative supply sources during drought:

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

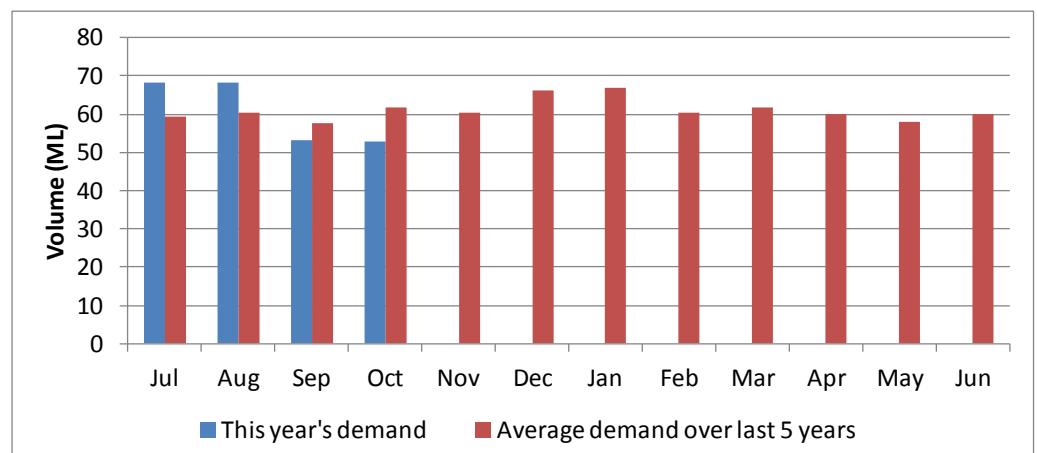
Water Supply Information

Water resources held by South Gippsland Water for the Korumburra Water Supply System are shown below. 24% of the available annual entitlement from the Korumburra storages has been used in the current year to date (Jul-Oct 2016). 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 2016-17	Volume Remaining 2016-17
Coalition Creek , Ness Gully and Bellview Creek Reservoirs	1000 ML	243 ML	747 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% higher than last year in the year to date, and forecast demand for the whole year in 2016/17 is expected to be approximately 15% higher than last year's metered consumption.



South Gippsland Water

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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, however rainfall in the most recent month (October) was more than 25% above average across much of South Gippsland. 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.

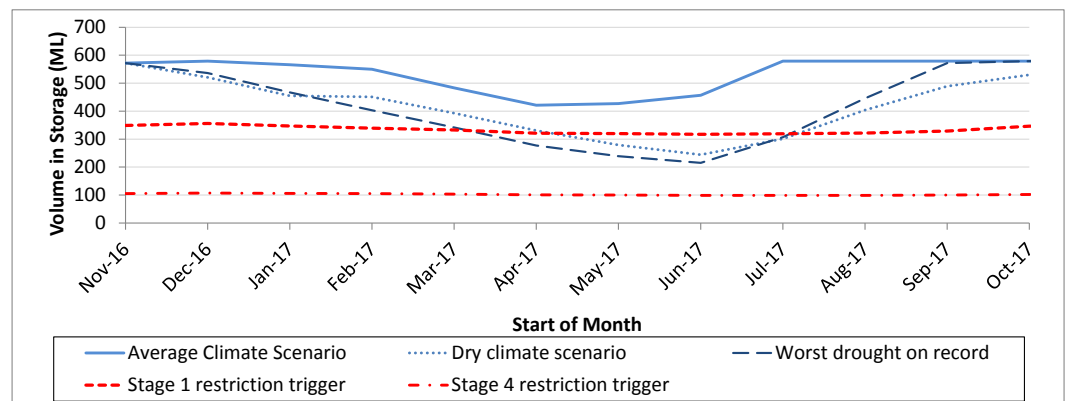
Further Information:

- The Korumburra Water Supply System Storages were 100% full at the end of October.
- The maximum operating level of the Coalition Creek Reservoir has been reduced from 222 ML to 143 ML as a dam safety risk management measure
- 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).

Chance of Exceeding Median Rainfall	Chance of Exceeding Median Maximum Temperature	This Year’s Spring Rainfall	Likely Outlook Scenario
50-55%	65-70%	Average	Average

Urban Water Restrictions Outlook

The volume in storage outlook for the Korumburra Water Supply System for the period November 2016 to October 2017 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.



- 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

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. Based on the volume in storage outlook and the Bureau of Meteorology climate forecast, it is not expected that water restrictions would be required in autumn and some of winter unless conditions become drier than anticipated. 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.

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

Climate Scenario	Outlook							
	1 Dec 2016	1 Jan 2017	1 Feb 2017	1 Mar 2017	1 Apr 2017	1 May 2017	1 Jun 2017	1 Jul 2017
Wet	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP
Average	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP
Dry	PWSP	PWSP	PWSP	PWSP	PWSP	Stage 1	Stage 2	Stage 1

PWSP Permanent Water Savings Plan

Action Plan

A list of priority actions for this supply system prior to the next update of the Urban Water Strategy is presented below. Further information on actions can be found in the previous Urban Water Strategy (Water Supply Demand Strategy 2011) and Water Plan 3 publications on our website.

Action Name	Timing
Demand management	Ongoing
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.	Complete 30 th June 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.