## WATER SECURITY OUTLOOK

### South Gippsland Water

**NOVEMBER 2018** 

## Korumburra Water Supply System

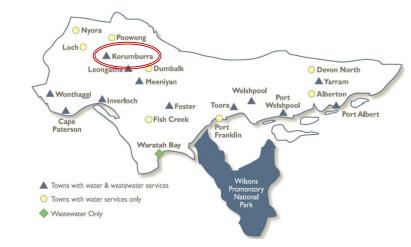
#### The town of

Korumburra is will be connected to the Lance Creek system, receiving its water from Lance Creek Reservoir which has a capacity of 4,200 ML. Until recently, Korumburra received its water from Coalition Creek, Ness Gully and Bellview Creek Reservoirs which have a combined capacity of 575 ML.

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#### Water Supply Information

Water resources held by South Gippsland Water for the Korumburra Water Supply System are shown below. 20% of the available annual entitlement from the Korumburra storages has been used in the current year to date (Jul-Oct 2018). It is unlikely that the remaining Bulk Entitlement volume will be used due to connection to the Lance Creek system. 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	Volume	Volume
	Annual	Extracted	Remaining
	Entitlement	2018-19	2018-19
Coalition Creek, Ness Gully and Bellview Creek Reservoirs	1000 ML	200 ML	800 ML

#### Water Consumption

Monthly water consumption for the Korumburra Water Supply System was much higher than the 5 year average demand in July and remained above average until the end of August. Water use by major customer Burra Foods was 124% greater than the current 5 year average.



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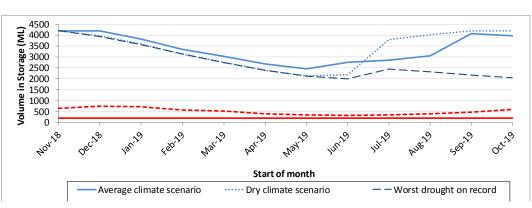
#### **Climate Conditions**

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 lower than long-term average. Winter/spring rainfall in the year to date has been below average. Air temperature is forecast over the next three months to be higher than the long-term average for this time of year. After taking these factors into account, South Gippsland Water is forecasting on the basis of a dry climate scenario, which is characterised by streamflows into the Korumburra storages and supply from the Tarwin River West Branch that are below long-term average values.

Chance of Exceeding	Chance of Exceeding Median	This Year's	Likely Outlook
Median Rainfall	Maximum Temperature	Spring Rainfall	Scenario
<b>35-40%</b> 60-65%		Dry	Dry

#### **Urban Water Restrictions Outlook**

The volume in storage outlook for the Korumburra Water Supply System, which is now the Lance Creek system for the period November 2018 to October 2019 is shown in the following figure. Storage levels are not expected to drop below the trigger for restrictions under the anticipated dry climate scenario.



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

Climate	Outlook							
Scenario	1 Dec	1 Jan	1 Feb	1 Mar	1 Apr	1 May	1 Jun	1 Jul
	2018	2019	2019	2019	2019	2019	2019	2019
Wet	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP
Average	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP
Dry	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP	PWSP
PWSP	Permaner	nt Water Savi	ings Plan					

#### **Further Information:**

 The Lance Creek Reservoir was 99.5% 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).

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### 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	November 2018
Korumburra (and extending to Poowong) has been designed.	
Construction has been undertaken over the last 12 months.	
Anticipated project commissioning in November 2018.	
Completed extension of temporary summer diversion licence	Completed early 2015
from Tarwin River to allow pumping up to 30 June 2020	

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.

 South Gippsland Water has a shortterm 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

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