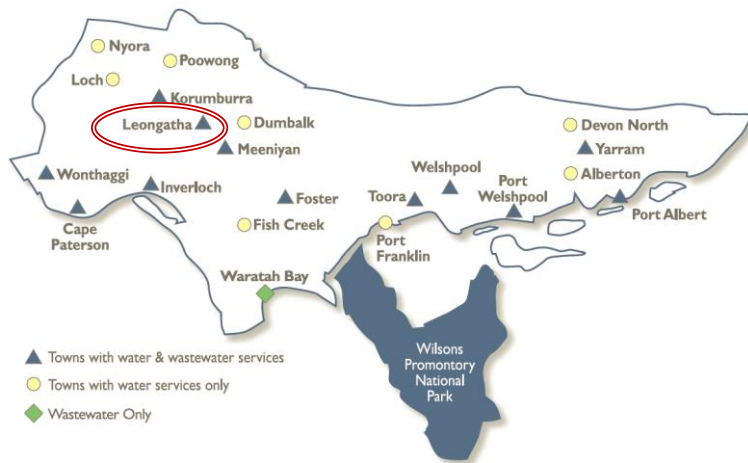


## Leongatha Water Supply System



The town of Leongatha receives its primary water supply from four storages on Ruby Creek:

- Western Reservoir: 1,137 ML capacity
- Hyland Reservoir: 671 ML capacity
- No.2 Reservoir: 84 ML capacity
- No. 1 Reservoir: 19 ML capacity

There are also two potential alternative supply sources during drought:

- Tarwin River West Branch (also supplying Korumburra)
- Groundwater bore (also potential to supply Korumburra)

South Gippsland Water

1300 851 636

www.sgwater.com.au

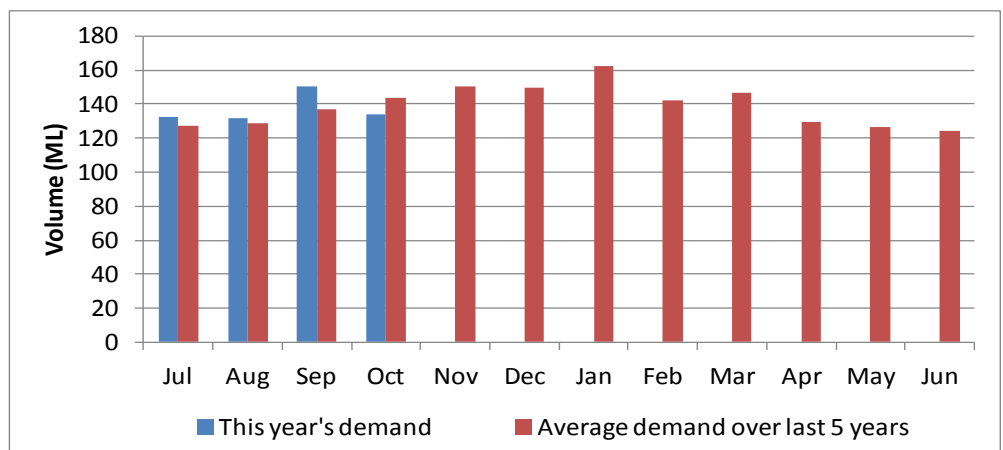
## Water Supply Information

Water resources held by South Gippsland Water for the Leongatha Water Supply System are shown below. Only 22% of the available annual entitlement from the Leongatha 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 to the Leongatha 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 |
|---|----------------------------|--------------------------|--------------------------|
| <b>No.1, No. 2, Hyland and Western Reservoirs</b> | 2,476 ML                   | 548 ML                   | 1,928 ML                 |

## Water Consumption

Monthly water consumption for the Leongatha Water Supply System in the year to date has been similar to the average demand over the last five years.



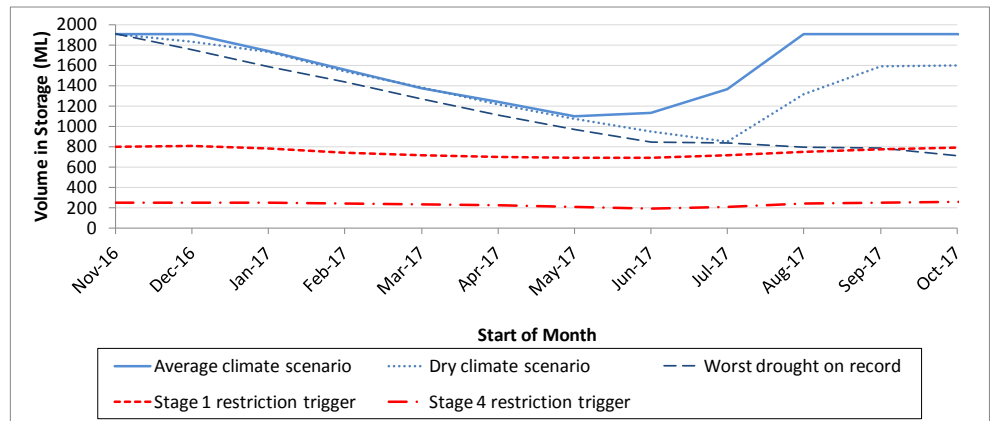
## Climate Conditions

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 Leongatha storages 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 |
|-------------------------------------|--|-----------------------------|-------------------------|
| 50-55%                              | 65-70%   | Average                     | Average                 |

## Urban Water Restrictions Outlook

The volume in storage outlook for the Leongatha Water Supply System for the period November 2016 to October 2017 indicates that storage levels are expected to remain high relative to water restriction triggers over the coming year under the anticipated average climate scenario.



Based on the volume in storage outlook and the Bureau of Meteorology climate forecast, no water restrictions are anticipated for the remainder of the year at the current time. South Gippsland Water’s Permanent Water Savings Plan applies to all customers over the outlook period.

| Climate Scenario | Outlook    |            |            |
|------------------|------------|------------|------------|
|                  | 1 Jan 2017 | 1 Apr 2017 | 1 Jul 2017 |
| Wet              | PWSP       | PWSP       | PWSP       |
| Average          | PWSP       | PWSP       | PWSP       |
| Dry              | PWSP       | PWSP       | PWSP       |

PWSP Permanent Water Savings Plan

### Further Information:

- The Leongatha 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

1300 851 636

www.sgwater.com.au

## *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 |

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.