

Lance Creek Water Supply System

Lance Creek Water Supply System supplies water to the townships of:

- Wonthaggi
- Cape Paterson
- Inverloch
- Korumburra
- Poowong
- Loch
- Nyora

The Lance Creek Supply System includes the following water sources:

- Lance Creek Reservoir: 4,200ML capacity
- Melbourne Supply System: 1,000 ML entitlement



Water Supply Information

Water resources held by South Gippsland Water for the Lance Creek Water Supply System are shown below. In the year to date (Jul-Sep 2021) 14% of the available annual entitlement from Lance Creek Reservoir has been used. This entitlement is a legal right to access water, subject to availability.

A significant supply volume is also available to the Lance Creek Water Supply System from the Melbourne Water Supply System. South Gippsland Water has been allocated 56% of its entitlement from the Melbourne Water Supply System in the year to date. Based on projections by Melbourne Water, this year's allocation is expected to increase to over 80% over the coming months under the forecast average climate conditions (see overleaf) over the outlook period. South Gippsland Water has also carried over 1,768 ML of unused allocations from previous years to the current year, providing a significant supply buffer in this supply system if conditions were to become drier than expected. Only 2% of South Gippsland Water's total available volume from the Melbourne Water Supply System has been used in the year to date.

Water Component	Maximum Annual Entitlement	Year To Date Allocation	Carryover from Last Year	Allocation Plus Carryover	Volume Extracted 2021-22	Volume Remaining 2021-22
Lance Creek Reservoir	3,800 ML	N/a	N/a	N/a	567 ML	3,233 ML
Melbourne Supply System	1,000 ML	564 ML	1,768 ML	2,332 ML	52 ML	2,280 ML

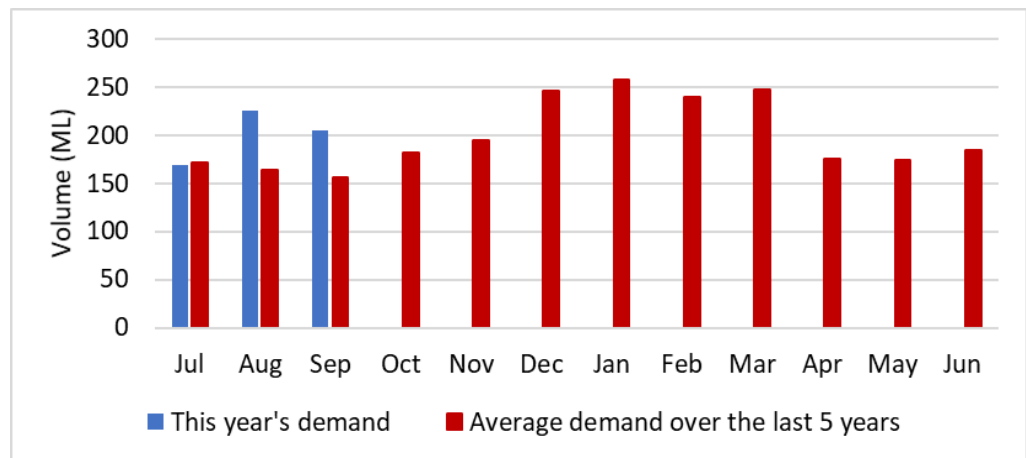
South Gippsland Water

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Water Consumption

Water consumption for the Lance Creek Water Supply System in the year to date has been above the average demand over the last five years. It is expected that the demand will be closer to the historical average for the remainder of the year.



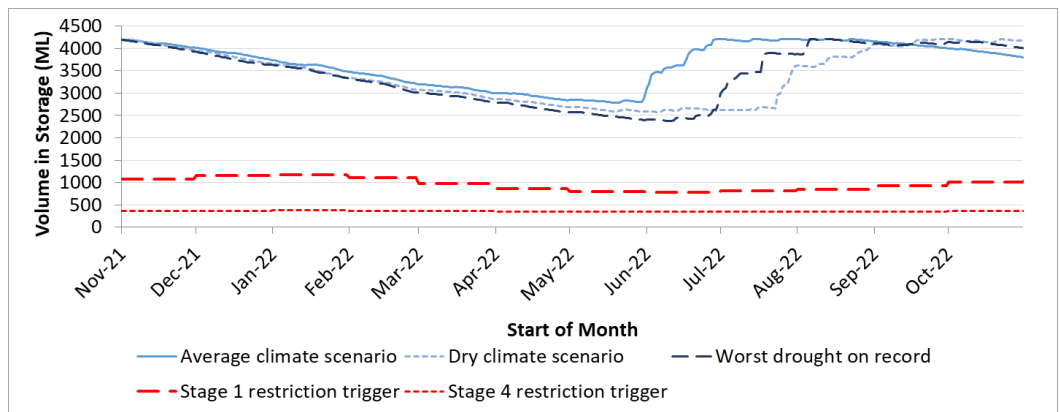
Climate Conditions

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. Winter/spring rainfall in the year to date has been close to the long-term average, however the Bureau’s climate outlook indicates that rainfall over the next three months is likely to be above the long-term average. Air temperature is forecast over the next three months to be above the long-term average for this time of year, and this trend is expected to continue beyond this period. 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 Lance Creek Reservoir that are close to long-term average values. Under this climate scenario, allocations from the Melbourne Water Supply System are expected to increase over the coming months.

Chance of Exceeding Median Rainfall	Chance of Exceeding Median Maximum Temperature	This Year’s Spring Rainfall	Likely Outlook Scenario
60-65%	Greater than 80%	Average	Average

Urban Water Restrictions Outlook

The volume in storage outlook for Lance Creek Reservoir for the period November 2021 to October 2022 indicates that storage levels are expected to remain high relative to water restriction triggers over the coming year.



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 2022	1 Apr 2022	1 Jul 2022
Wet	PWSP	PWSP	PWSP
Average	PWSP	PWSP	PWSP
Dry	PWSP	PWSP	PWSP

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 in 2027 is presented below. Further information on actions can be found in the Urban Water Strategy, due to be published as a final draft in March 2022, and our Price Submission 2020-2023 publication on our website.

Action Name	Timing
Demand management	Ongoing
Reduce leaks and wastage	Ongoing
Update water security outlook	Every November
Planned purchase of additional bulk entitlement from the Melbourne System	2023/24

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.

Further Information:

- Lance Creek Reservoir was 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).