

Project Progress

AUGUST - SEPTEMBER 2018

LANCE CREEK TO POOWONG



NEW WATER SUPPLY ON THE WAY

With construction nearing completion on the Lance Creek Water Connection project, water will soon flow from the Lance Creek Supply System to Korumburra, Poowong, Loch and Nyora.

The pipeline is a key Victorian Government water security project that will connect these townships to South Gippsland Water's largest reservoir, Lance Creek, and to the Melbourne Water Supply System.

Currently, the Lance Creek Water Treatment Plant supplies Wonthaggi, Inverloch and Cape Paterson, and when the pipeline is commissioned, Korumburra, Poowong, Loch and Nyora will join the system.

The pipeline will transfer an average of 2.6ML of water per day (the volume of an Olympic-sized swimming pool) from Lance Creek to the Korumburra Water Treatment Plant.

A second pump station at Korumburra will then transfer around 800KL per day to South Gippsland Water's treated water storage tank at Poowong for water supply to Poowong, Loch and Nyora.

Testing and Blending

In recent months, customers in Wonthaggi, Inverloch and Cape Paterson may have noticed a gradual change in the taste and smell of their water.

This is a result of South Gippsland Water testing upgrades to the Lance Creek Water Treatment Plant's capacity to blend, treat and process greater volumes of water, and the commencement of the use of water from the Melbourne Supply System.

CHANGES TO TREATMENT - Fluoridation and Chloramination

Water distributed by the Lance Creek Water Treatment Plant will be chloraminated and fluoridated to ensure customers are supplied with drinking water that meets world-class standards and Department of Health regulations.

Fluoridation will be new to the Lance Creek Water Connection towns of Korumburra, Poowong, Loch and Nyora, however, water currently supplied to Wonthaggi, Inverloch and Cape Paterson is both fluoridated and chloraminated.

The fluoridation of water supply is a requirement of the Victorian Department of Health and Human Services for dental and overall health purposes and is regulated by the *Safe Drinking Water Act 2003*, and chloramination is one of the most commonly used treatment agents in the processing of safe drinking water.

Summary of current & new treatment processes.

Water treatment processes	CURRENT SUPPLY			NEW SUPPLY
	Wonthaggi, Inverloch, Cape Paterson	Korumburra	Poowong, Loch, Nyora	All towns connected to Lance Creek Supply System
Chlorination	-	Y	-	-
Chloramination	Y	-	Y	Y
Fluoridation	Y	-	-	Y

South Gippsland Water **Lance Creek Water Connection**

NEW WATER SUPPLY FOR KORUMBURRA

Once complete, the Lance Creek Water Connection will supply water to **Korumburra from the Lance Creek Water Treatment Plant**

AQUARIUM OWNERS PLEASE NOTE

The new water supply will be fluoridated and chloraminated.
Customers with aquariums, tap water will require additional conditioning to make it safe for use in fish tanks.

Chlorine and/or chloramine in the water supply is not harmful to land animals, but certain levels may be harmful to fish. Your aquarium retailer can provide information and treatment options to make chloraminated tap water safe for aquarium use.

For further information visit the 'projects' page at www.sgwater.com.au or contact South Gippsland Water's Customer Service Team on **1300 851 636**.

Water Security | Regional Growth | Strong Communities

Reminder to Aquarium and Fish Pond Owners

Chloramination will be new to Korumburra; all other towns connected to the Lance Creek Supply System are well used to the treatment process. Chloramine is not harmful to land animals or house plants, however, certain levels may be toxic to aquarium fish.

Chloramines are generally removed using aquarium water conditioning agents containing a de-chlorinating agent, or by filtration through high-quality granular activated carbon. Local pet shops, vets or aquarium retailers are able to provide further information in regards to a range of treatment options that will make chloraminated tap water safe for aquarium fish.

CFF EARTH AWARDS – JAYDO CONSTRUCTION

(Lance Creek Water Connection Project)

South Gippsland Water and the Lance Creek Water Connection project team congratulate Jaydo Construction who were recently awarded the Victorian Civil Contractors Federation (CFF) Earth Award for their work on the project.

The CCF Earth Awards recognise companies within the Victorian civil sector who have been involved in a project that demonstrates excellence and innovation in the fields of construction, project and environmental management.

The award is a great reflection of the success of the partnership that has been forged and the expertise engaged in delivering the region’s largest water security project to date.



CONSTRUCTION PROGRESS - Summary

Lance Creek to Korumburra
➤ Total of 21.7km of pipe installed
➤ Pipe installation – 100% complete
➤ Pump Station & associated works – 80% complete
➤ Reinstatement works - 90% complete

Korumburra to Poowong
➤ Total of 8.8km of pipe installed
➤ Pipe installation – 100% complete
➤ Pump Station & associated works - 40% complete
➤ Reinstatement works – 50% complete

Reinstatement of the Construction Corridor

The project team and contractors have worked closely with each land owner along the pipeline to ensure that the construction corridor is reinstated to agreed specifications. With favourable weather over autumn, site reinstatement work on properties between Lance Creek and Poowong have progressed well.

To reduce the impact on properties over winter, reinstatement works have scaled-down over the past months and will recommence in November.

RECYCLING RESERVOIRS - Planning

Planning for the next and final stage of the Lance Creek Water Connection has begun – looking at options to recycle the reservoirs. As the Lance Creek Water Connection progresses, South Gippsland Water is now looking to the community to assist in determining the future use of the reservoirs that currently supply water to Korumburra, Poowong, Loch and Nyora.

Existing Assets

Four existing reservoirs located across the area will no longer be required by South Gippsland Water and the Corporation is looking to the community to help determine future uses.

The four reservoirs vary in location and size.

- Korumburra’s water is currently supplied by:
 - Belleview Creek Reservoir, rural location, 359 mega litre capacity
 - Coalition Creek Reservoir, adjacent to the Korumburra Golf Club, 143 mega litre capacity
 - Ness Gully Reservoir, rural location, 73.5 mega litre capacity
- Poowong is supplied by the Little Bass Reservoir, adjacent to Soldiers Road Poowong, 226 mega litre.

Regulations and Safety

Managing a reservoir comes with a range of regulations and complexities, subject to stringent dam safety requirements; there are three potential outcomes for each reservoir:

- To remain in their current state
- To operate at lower levels with reduced or no safety requirements
- For the dam wall to be removed and the water course returned to original state.

In partnership with the community and stakeholders, this project is an exciting opportunity to develop possible future uses for the reservoirs, catchment areas and water allocations to benefit the local region.

Community and Stakeholder Consultation

Over the coming weeks South Gippsland Water will be establishing a community and stakeholder reference group with the objective to further understand the complexities of potential future uses, and seek guidance as to the repurposing of the local reservoirs as a community and/or regional asset. It is envisaged this process will run to June 2019.

Customers interested in participating in the Recycling Reservoirs project are encouraged to contact Ros Griggs on 5682 0422 to register your details.



Coalition Creek Reservoir



Lance Creek Water Connection Water Security

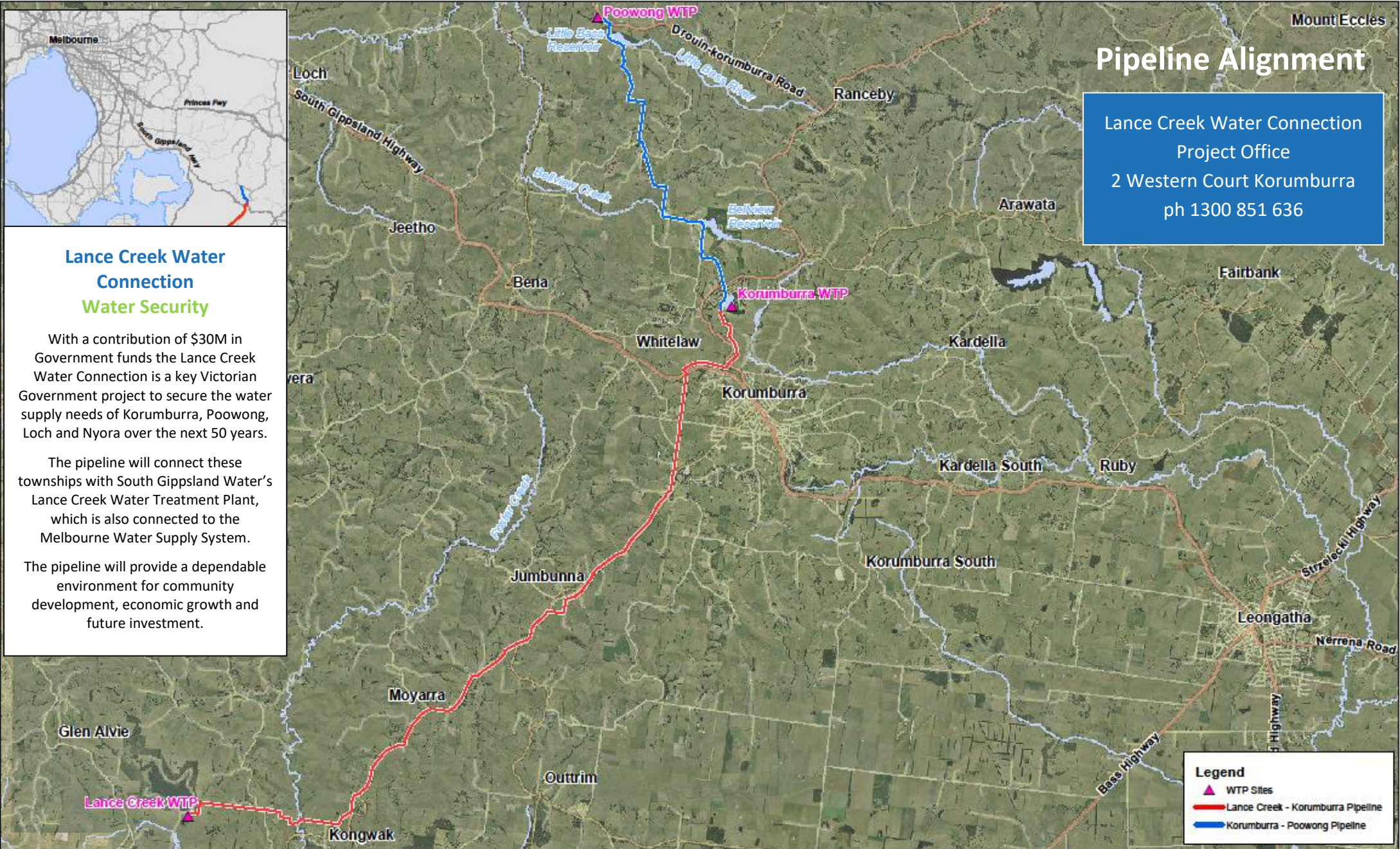
With a contribution of \$30M in Government funds the Lance Creek Water Connection is a key Victorian Government project to secure the water supply needs of Korumburra, Poowong, Loch and Nyora over the next 50 years.

The pipeline will connect these townships with South Gippsland Water's Lance Creek Water Treatment Plant, which is also connected to the Melbourne Water Supply System.

The pipeline will provide a dependable environment for community development, economic growth and future investment.

Pipeline Alignment

Lance Creek Water Connection
Project Office
2 Western Court Korumburra
ph 1300 851 636



Legend

- ▲ WTP Sites
- Lance Creek - Korumburra Pipeline
- Korumburra - Poowong Pipeline

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