

Construction Progress

FEBRUARY - MARCH 2018

Lance Creek to Korumburra



Construction of the Lance Creek Water Connection pipeline, adjacent to the Korumburra-Wonthaggi Road, is progressing to schedule.

PIPELINE - CURRENT STATUS

➤ 17km of construction corridor cleared, graded and fenced
➤ 440 lengths of 560 diameter polyethylene pipe (HDPE) delivered to site – 6km installed
➤ 527 lengths of 500 diameter steel pipe delivered to site – 4km installed
➤ Total of 15.2km of pipe delivered and 10km installed
➤ Pipeline construction work – approximately 40% complete

UPCOMING – KORUMBURRA TO POOWONG

Preliminary site works for pipeline construction on the Korumburra–Poowong section of the project began this month. Survey work is being carried out along the alignment corridor and pipe is currently being delivered to site in preparation for excavation work.

Earthworks and the laying of pipe for this section is scheduled to begin in March.

*“Lance Creek Water Connection...providing a dependable environment
for community development, economic growth and future investment.”*

KORUMBURRA-WARRAGUL ROAD

With early works commencing on the Korumburra to Poowong section of the project, locals will see increased activity on the ground. Crews are focussing on preparing the construction corridor by installing access points at key sites along the Korumburra-Warragul Road.

Much of the work occurring on this section of the pipeline is visible from the road and large trucks will be entering and exiting the construction corridor. Pipe is also being delivered to lay-down sites along the pipeline alignment.

Traffic management controls will be in place on the Korumburra-Warragul Road to minimise disruption and maximise safety. South Gippsland Water advises motorists to take care.

PUMP STATIONS

Some of the terrain between Lance Creek and Poowong is particularly steep, so new water transfer pump stations are needed at both the Lance Creek Water Treatment Plant and Korumburra clear water storage.

Lance Creek Water Treatment Plant

A great deal of work constructing a new pump station at the Lance Creek Water Treatment Plant has been under way for a number of months.

The pump station will enable water to be transferred from Lance Creek, up through the hills of Kongwak and Jumbunna, to the Korumburra clear water storage - a total height difference or lift of 209m.

The pump station will initially be constructed with three pumps capable of pumping 140L/s. The pump station will also have additional capacity for an additional two pumps that will enable pumping in excess of 200L/s to cater for future water demands.



Drilling pump station pilings at Lance Creek Water Treatment

Key to the project is the installation of infrastructure that will connect the new pipeline to the existing Lance Creek clear water storage tank, see the section titled *Lance Creek Cut-in* on page 4.

Power upgrades are also needed and solar power is likely to be utilised to help augment capacity in the future.

Korumburra Water Treatment Plant

Construction of a smaller pump station to transfer the water from Korumburra to the Poowong Water Treatment Plant will commence this month.

The new pump station, located at the Korumburra Water Treatment Plant, will have the capacity to pump at a flow rate of approximately 30L/s through to the Poowong Clear Water Storage basin.



Want a different perspective on the project? Take a bird's-eye view.

http://www.sgwater.com.au/project_page/projects/lance-creek-water-connection/



SYSTEM CONNECTIONS

...getting ready for the pipeline

COMMISSIONING DELIVERY POINT 5

The mid-2016 construction of the Delivery Point 5 (DP5) valve station and final transfer pipeline connections at the Lance Creek Reservoir was some of the first on-ground work associated with the Lance Creek Water Connection.

The infrastructure allows for connection between the Lance Creek Water Treatment Plant and the Melbourne Supply System.

The combination of these systems will provide a secure water supply for the region and a dependable environment for community development, economic growth and future investment.

As work on the Lance Creek Water Connection pipeline continues, DP5 will be commissioned during March as part of preparatory works to enable the Lance Creek Water Treatment Plant to process greater volumes of quality water.

Although the Lance Creek Water Connection pipeline will secure water for Korumburra, Poowong, Loch and Nyora, other towns will benefit.

Currently supplied by the Lance Creek Reservoir, the townships of Wonthaggi, Inverloch and Cape Paterson will provide a secure water supply that is backed-up by access to the Melbourne Supply System.

TREATMENT PLANT IMPROVEMENTS

In readiness for the completion of the Lance Creek Water Connection pipeline, South Gippsland Water has been carrying out works at the Lance Creek Water Treatment Plant to enhance its water treatment process.

When the Lance Creek Water Connection is commissioned, greater volumes of water will be processed at the water treatment plant in order to continue supply to Wonthaggi, Cape Paterson and Inverloch, and to begin supply to Korumburra, Poowong, Loch and Nyora. Slight adjustments in the treatment process will enable effective treatment of greater volumes of water.

As a result, in the short-term, customers in Wonthaggi, Inverloch and Cape Paterson may notice a change in the taste and smell of their current water supply.

Water Treatment Operators will do their utmost to ensure water supplied has minimal noticeable change in taste and smell. As always, water will remain safe to drink throughout the changes at the Lance Creek Water Treatment Plant.

These alterations to the treatment regime will ensure that customers at both the start and the end of our distribution system are provided with an effectively treated, world-class water supply.



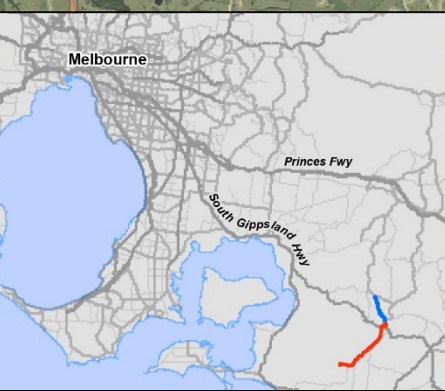
LANCE CREEK CUT-IN

1. Exposing the existing outlet pipe that transports water from the Lance Creek Water Treatment Plant to Wonthaggi, Inverloch and Cape Paterson.
2. A cut-in was made, to enable joinery to be added. Water continued to be supplied to customers as a temporary bypass pipe was installed to bypass the isolation area.
3. 600mm pipe (DN600) and corresponding joinery.
4. Installing the Tee joints that enable the connection of 600mm pipe to 500mm pipe that will connect to the new pump station.
5. A section of pipe, with a flow meter installed, was left above ground to make future maintenance easier.



The installation of infrastructure that will connect the new pipeline to the existing storage tank at the Lance Creek Water Treatment Plant.

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Lance Creek Water Connection
Water Security

The Lance Creek Water Connection is a key Victorian Government project to be delivered by South Gippsland Water that will secure the water supply needs of Korumburra, Poowong, Loch and Nyora over the next 50 years.

These towns have experienced staged water restrictions in recent times and current water storages do not have the capacity to meet demand into the future.

The pipeline will connect Korumburra, Poowong, Loch and Nyora with South Gippsland Water’s largest reservoir, Lance Creek, which is also connected to the Melbourne Water Supply System.

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