



## East Grampians Rural Pipeline - Connection

Once fully funded and constructed, the pipeline will provide a secure water supply for the East Grampians region servicing up to 1500 rural farming properties over an area of up to 330,000 hectares (approximately 3300 km<sup>2</sup>).

The pipeline will deliver a raw (untreated) water supply sourced predominantly from Lake Fyans.

### Connecting to the Pipeline

The below information is designed to assist you with your on-property planning in getting ready to connect to the East Grampians Rural Pipeline.

If you're looking for more information on the process for registering your interest or committing to connecting to the pipeline, see our Planning fact sheet which is available for download at [www.gwmwater.org.au/egrp](http://www.gwmwater.org.au/egrp) or speak with one of our Land Liaison Officers.

### Landholder official contracts

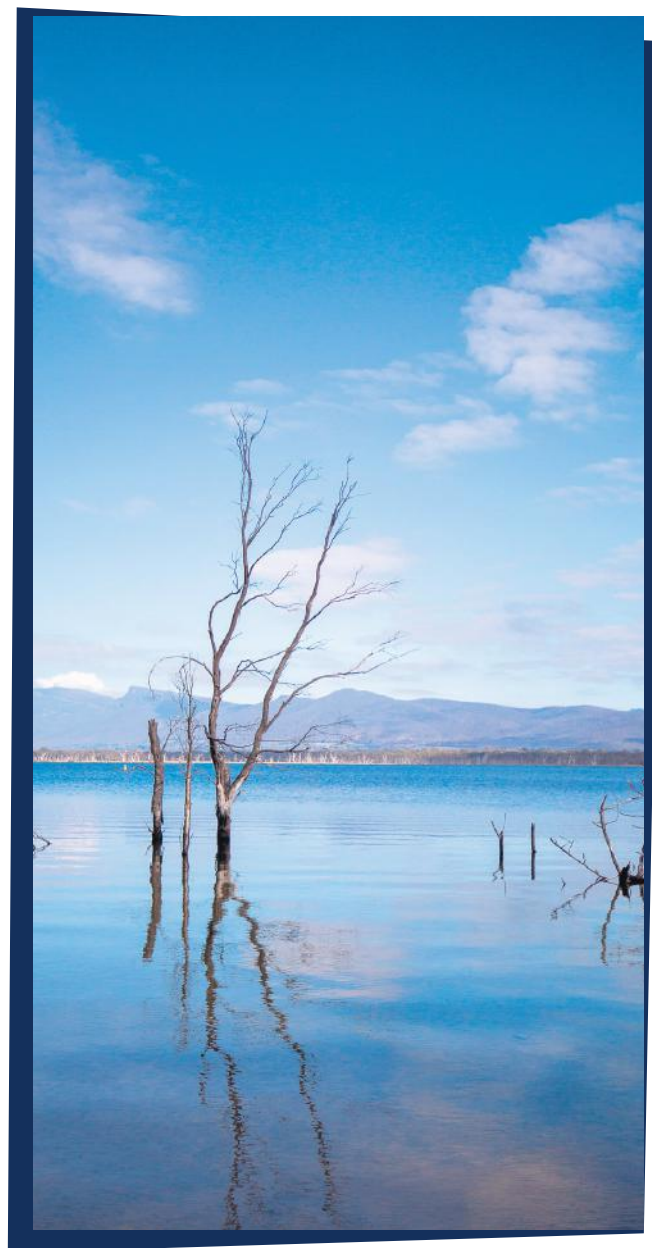
If you decide to proceed with the connection based on the cost estimate provided, you must return two, signed contracts to formally sign up to connect to the pipeline. These contracts are called a Heads of Agreement and Supply-By-Agreement. More information about this process is contained in our Planning fact sheet.

### Service connection points

A service connection, also known as a tapping point or meter point, is where on-property water infrastructure meets the GWMWater pipeline and meter, enabling connection of the property's storage tank and reticulation system.

GWMWater is responsible for maintenance of infrastructure up to and including the meter.

The number of service connections for a property is determined by the landholder, being mindful of practical supply arrangements and the costs associated with each service connection.





## **Service connection locations**

GWMWater will contact each property owner to establish service connection locations. The preferred location of the service connection is determined during consultation with the landowner at the planning stage. The final location of the service connection may be influenced by the location of the pipelines once designed. Landholders are responsible for the purchase, installation and maintenance of all on-property piping, tanks, taps, troughs and pumps.

## **Approvals**

Any on-property works associated with the water supply are not included in the statutory planning approvals sought by GWMWater for the water mains. Landholders should seek advice from relevant planning authorities, such as municipal councils, when planning earthworks on land where native vegetation, cultural heritage and waterways may be impacted.

## **Supply point dimensions**

The standard size for a service connection point is 20 mm diameter. Larger supply points to meet special requirements will be considered on a case-by-case basis.

## **Tank and piping requirements**

Each installed service connection will include a short section of polyethylene (PE) pipe extending downstream from the meter to allow on-property reticulation connection. Each service connection must be connected into a tank located on the property to balance peak demands and provide short-term water supply security for the property in case of temporary supply outage.

Property reticulation systems must be configured with no points of use between the meter and the tank. The on-property reticulation must directly supply water from the meter to a tank and can then be directed to points of use (the house, troughs, etc.).

Tank filling must be controlled via a float valve located at the top of the tank. The float valve must be positioned at least 100 mm above the level of the tank overflow pipe to prevent any chance of backflow from the tank.

Piping from the service connection to the tank must be a minimum 25 mm diameter metric PE pressure pipe Class 12.5 (blue line on pipe) to withstand high pressures.



### **Water quality**

Water supplied from GMMWater rural pipeline systems does not meet accepted Government standards for drinking water. This water should not be used for food preparation, ice making or other human consumption purposes without further treatment.

### **Water pressure**

The East Grampians Rural Pipeline has been designed to provide a minimum pressure of 20 m or 200 kPa of water head at the water meter. This pressure is available to allow for head losses of approximately one metre in the tapping and water meter, two metres for tank depth and the balance for on-property pipe and fitting losses. If required due to higher pressure requirements in the mains, GMMWater will install a pressure reducing valve at the meter point.

### **Catchment dams**

The East Grampians Rural Pipeline provides water security to landholders who connect to the pipeline. Connecting to the pipeline can remove a landholders reliance on catchment dams. It is up to the individual landholder to decide if you retain on-property catchment dams or fill them in at your own cost.

### **Storing water on-property**

Landholders are required to have at least one water tank connected to each meter connection point to be able to receive water from that connection. Tanks must have the capacity to hold a minimum of three days' worth of supply to accommodate any prolonged system downtime or maintenance requirements.

Three days' worth of supply is defined as the peak daily water demand at any time multiplied by three. Generally a house needs a 20,000 L to 30,000 L tank. A mob of 500 sheep needs a standard 13,500 L tank. For more information on determining tank quantities for on-property management, refer to our 'On-Farm Water Reticulation Guide' mentioned over the page. Alternatively landholders may speak with one of our Land Liaison Officers by calling 1300 659 961 to discuss on-property requirements.

## **Monitor your water use using our Customer Portal**

Our Customer Portal is a free online system that allows landholders to monitor water use using a smart phone, tablet, laptop or home computer and will be available to our customers connected to the East Grampians Rural Pipeline.

Existing rural customers who use the Customer Portal find it a useful tool to assist with on-farm water management, such as:

- > Receive early notification of a potential on-farm water leak via SMS or email.
- > Avoid excess water charges
- > Monitor your water usage
- > View your usage patterns
- > Create custom alerts

**Signing up is fast, free and secure, visit [gmmwater.org.au](http://gmmwater.org.au) to access the Customer Portal.**



### **'On-Farm Water Reticulation Guide'**

Our comprehensive 'On-Farm Water Reticulation Guide' is available to assist farmers connecting to the pipeline with the planning, design and installation of piped on-property systems.

Download your free copy from our website at [gwmwater.org.au/egrp](http://gwmwater.org.au/egrp) or call us on 1300 659 961.

### **More information**

For more information on the East Grampians Rural Pipeline or to speak with one of our Land Liaison Officers, please call us on 1300 659 961, or visit our website at [gwmwater.org.au/egrp](http://gwmwater.org.au/egrp)

