

Appendix E - GOULBURN SYSTEM

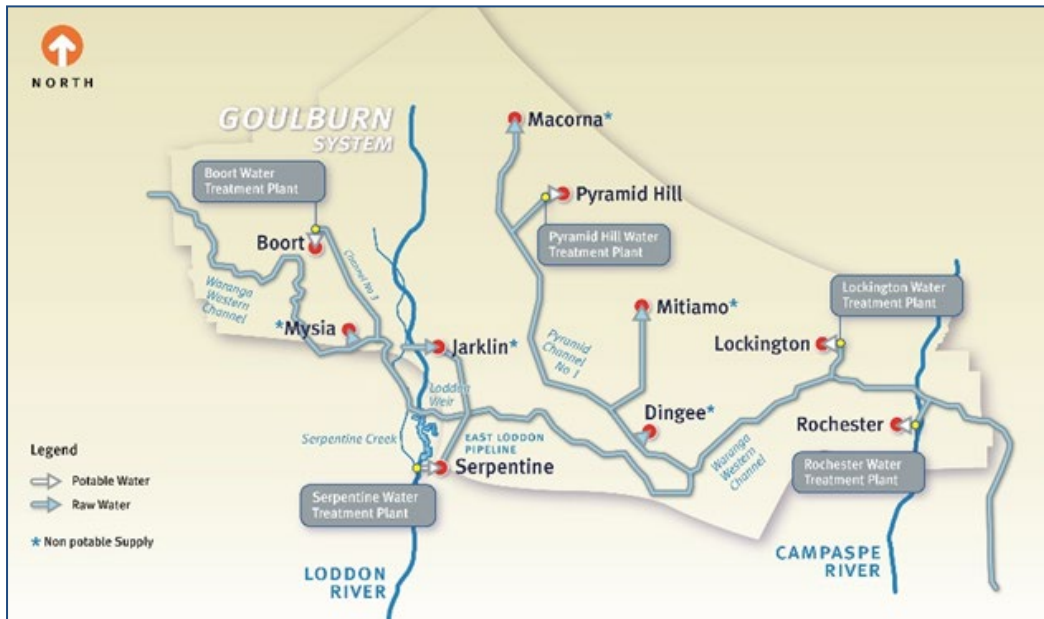


Figure 1: Goulburn System showing water sources.

System Overview

The Goulburn System services 2,348 residential connections and 391 non-residential connections as at 30 June 2018. Water is delivered to the towns' service basins, except for Rochester where there is no service basin.

The primary source of raw water is the Waranga Western Channel (WWC), with the major storage being Lake Eildon. Rochester has the option of drawing water from the Campaspe River, in the event of supply failure or shortage from the WWC. For Serpentine, raw water is pumped via the Goulburn-Murray Water East Loddon (South District) Pipeline.

Water Resources and Demand

The Goulburn System (excluding Serpentine and Jarklin) has a Very High Reliability Water Share (VHRWS) and receives 100% allocation most of the time. The Bulk Entitlement of 2,420 ML and an additional Water Allowance of 60 ML for Jarklin and Serpentine, is currently adequate to meet the annual demand. Allocation can be transferred from other Coliban Water accounts.

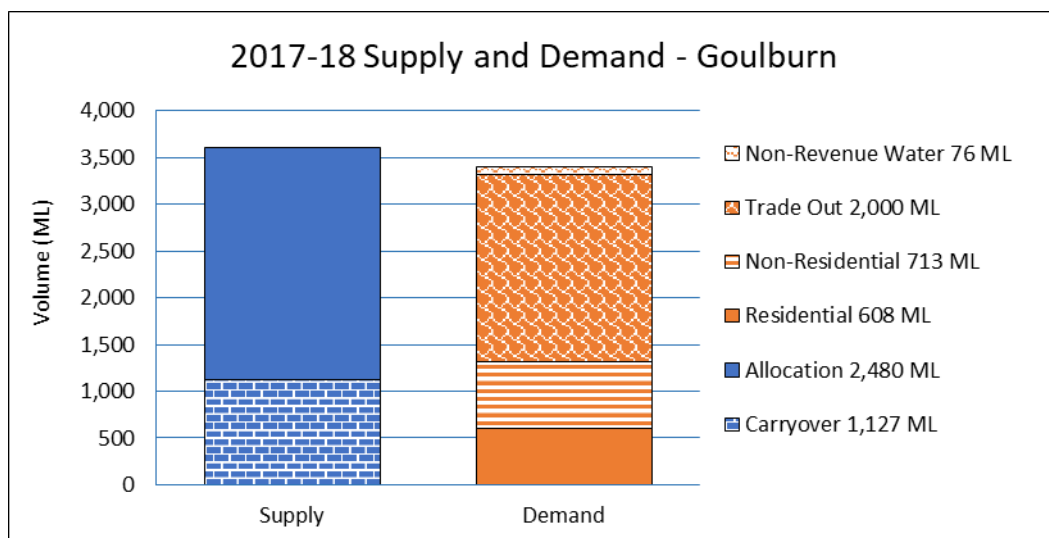


Figure 2: 2017-18 Supply and Demand for the Goulburn System.

In 2017-18 the demand for the Goulburn System was 1,327 ML, which was less than the estimated demand range of 1,673 to 2,008 ML.

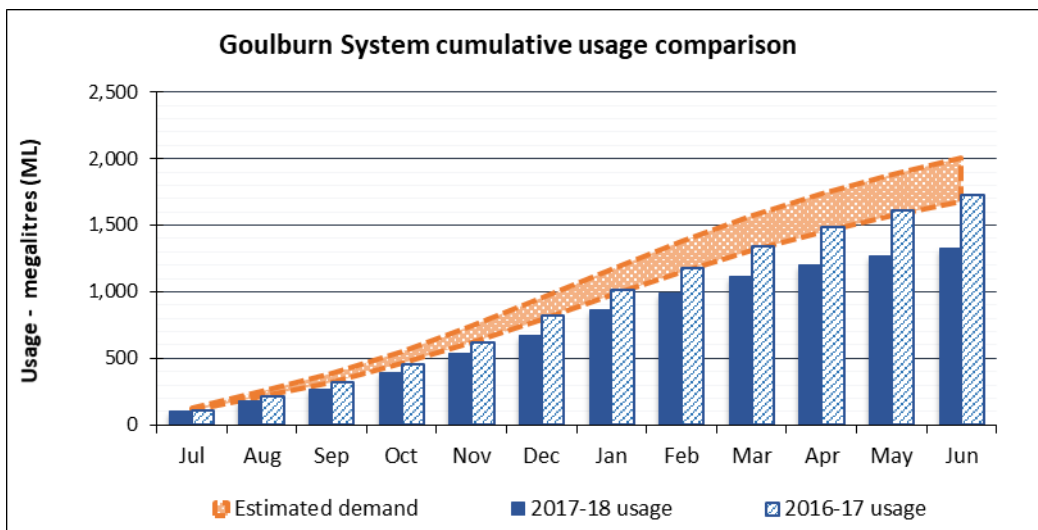


Figure 3: 2017-18 cumulative water usage for the Goulburn System compared with the same period last year and estimated demand.

Resource Status

With water carried over from 2017-18 and allocations at 100% for our bulk entitlement and 71% for our water allowance, restrictions are highly unlikely for the next 12 months.

Table 1: Supply and demand.

System	Primary Supply Secondary Supply	Supply ¹ 1 Oct' 2018	Demand 'dry weather'	Reserve Status
Goulburn	Waranga Western Channel	2,825 ML	1,926 ML	>12 months

Note 1: Allocation received to date and carryover from 2017-18.

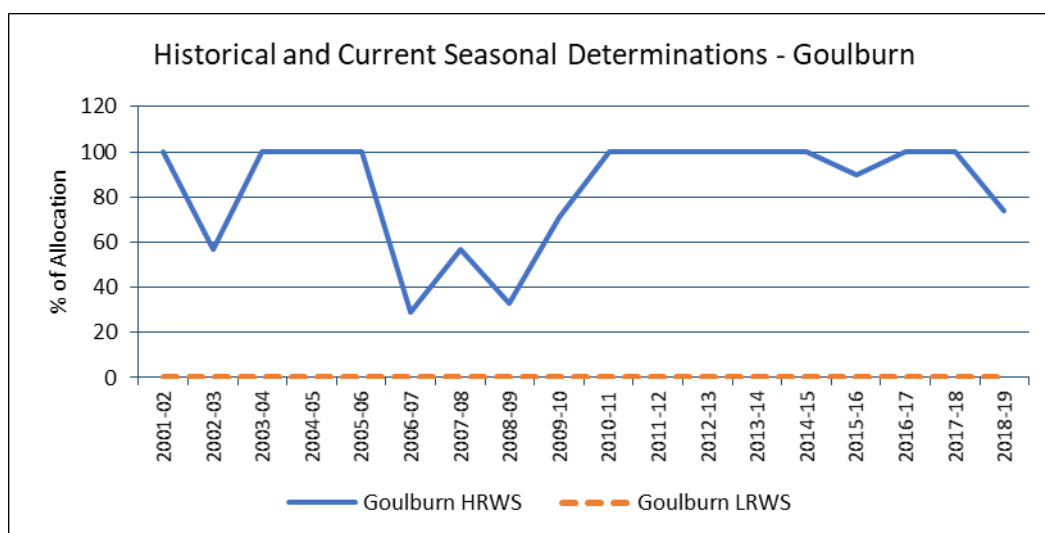


Figure 4: Historical and current seasonal determinations for the Goulburn System.

Forward Outlook

The 2018-19 estimated dry weather demand for the Goulburn System is 1,926 ML. With water carried over from 2017-18 and allocations at 100% for our bulk entitlement and 71% for our water allowance, the Goulburn System has adequate reserves to meet demand for the next 12 months.

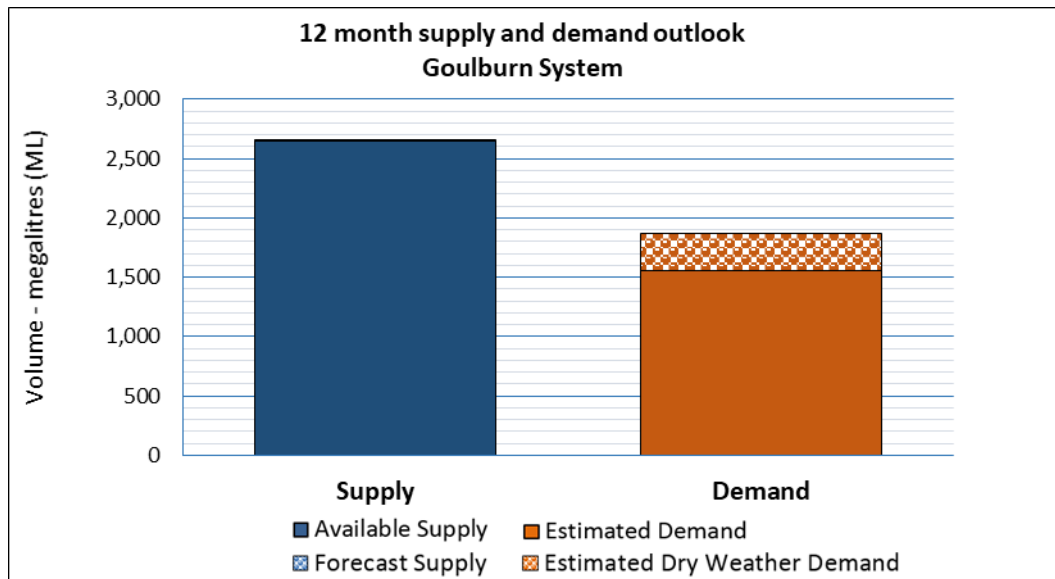


Figure 5: Raw water 12 month supply and demand outlook for the Goulburn System.

Actions

Coliban Water has continued to engage with stakeholders and customers in relation to the Urban Water Strategy (UWS). Detailed analysis on each system will commence during the latter part of 2018-19.