

Appendix G - MURRAY SYSTEM

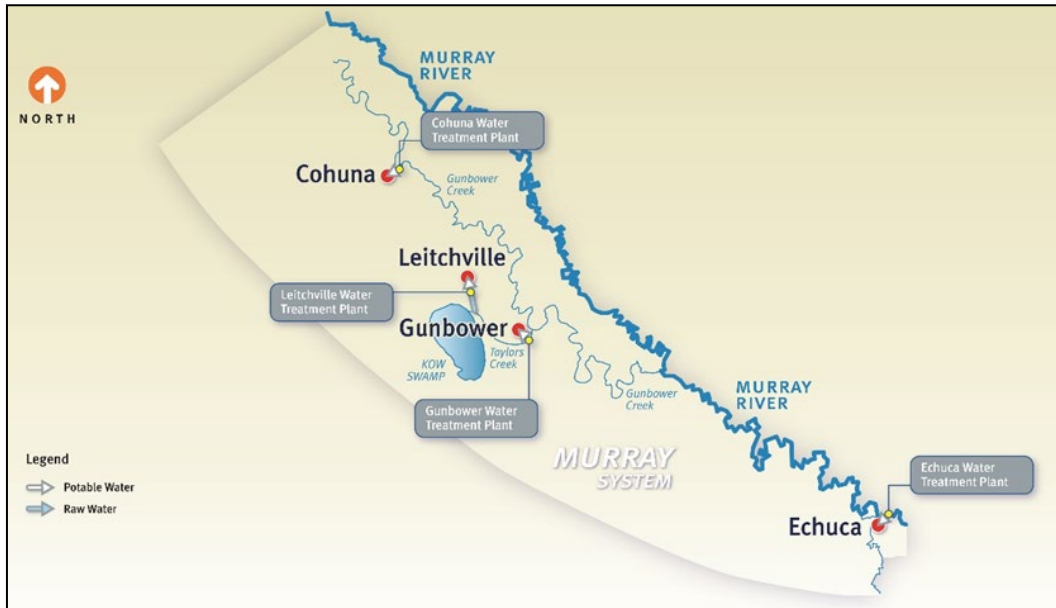


Figure 1: Murray System showing water sources

System Overview

The Murray System supplies the towns of Cohuna, Leitchville, Gunbower and Echuca, servicing 7,640 residential connections and 1,375 non-residential connections as of 30 June 2018.

Each town in the Murray System is supplied with water taken from the Murray River System, treated and then supplied to the townships. Gunbower takes water from Taylors Creek, a tributary of the Murray River. Leitchville takes water from the Cohuna Channel while in winter raw water is pumped from the Gunbower Creek, a tributary of the Murray River. Cohuna takes water from the Gunbower Creek. Echuca takes water directly from the Murray River.

Raw water is drawn directly from the Murray River and channels, under a Bulk Entitlement (BE) of 6,285 ML, 54.9 ML of High Reliability Water Shares (HRWS) and 24 ML of Low Reliability Water Shares (LRWS).

Water Resources and Demand

The Murray System is part of the southern interconnected Murray Darling Basin which allows allocation and/or entitlement to be acquired from the water market of NSW, Victoria and SA. Allocation can also be traded between connected systems. This allows surplus allocation held in other Coliban Water accounts to be transferred into our Murray System.

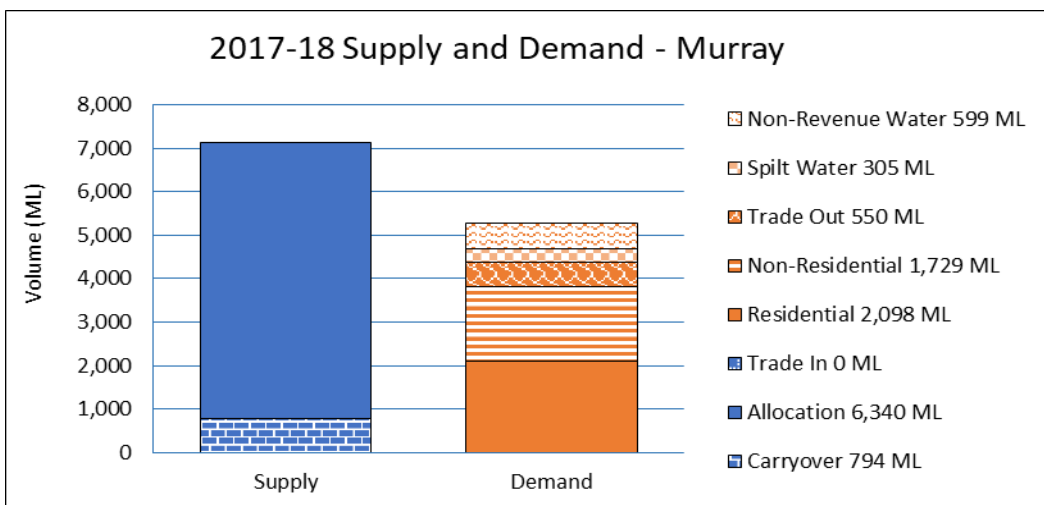


Figure 2: 2017-18 Supply and Demand for the Murray System.

In 2017-18 the demand for the Murray System was 4,360 ML, which was less than the estimated demand range of 4,412 to 5,294 ML

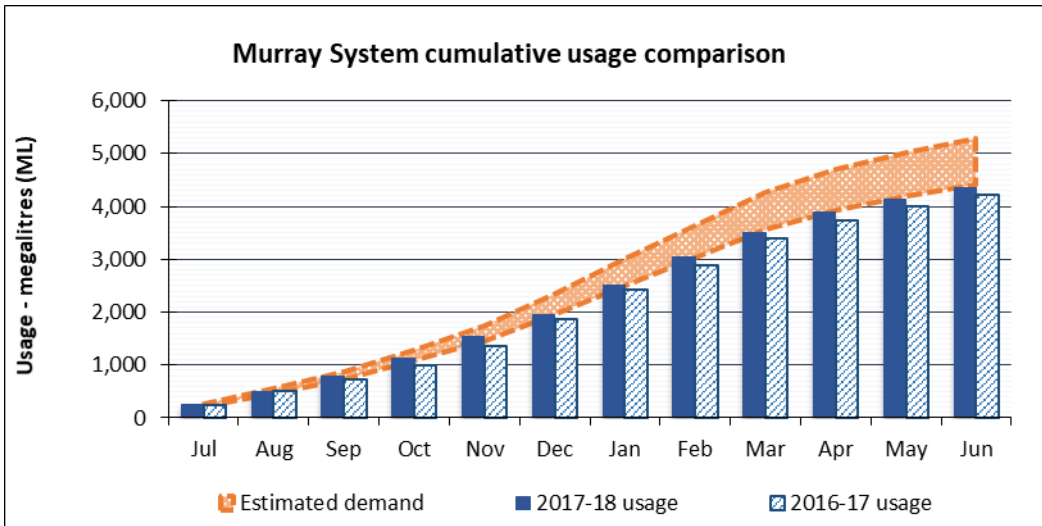


Figure 3: 2017-18 cumulative water usage for the Murray System compared with the same period last year and estimated demand.

Resource Status

With water carried from 2017-18 and 82% allocation, 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
Murray	Murray River Gunbower Creek	6,229 ML	5,321 ML	>12 months

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

The Murray System Bulk Entitlements were amended by Temporary Qualification of Rights in July 2007 and June 2008 due to the low supply availability.

Water restrictions commenced in December 2002 and were in force for most of the next eight years to January 2011. Stage 3 and Stage 4 restrictions were in force for 19 months from July 2007 to December 2008

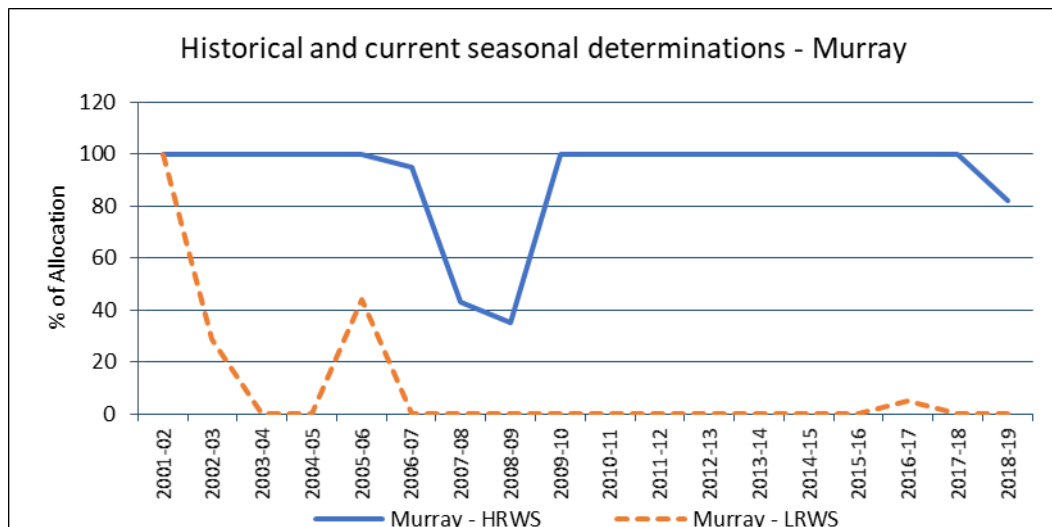


Figure 4: Historical and current seasonal determinations for the Murray System.

Forward Outlook

The 2018-19 estimated dry weather demand for the Murray System is 5,321 ML. With water carried from 2017-18 and 82% allocation, the Murray System has adequate reserves to meet demand for the next 12 months.

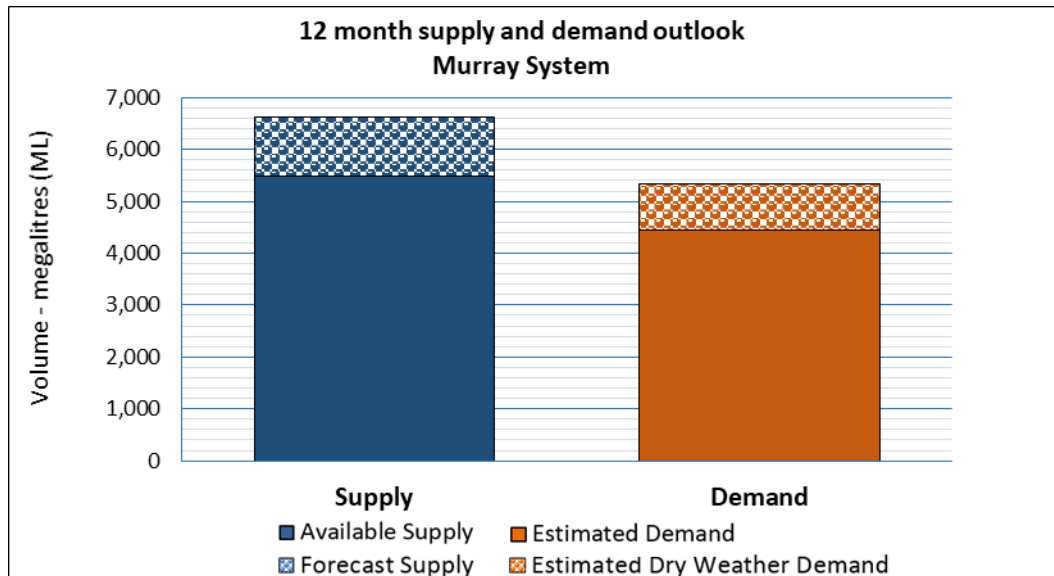


Figure 5: Raw water 12 month supply and demand outlook for the Murray System.

Actions

The Murray System is not expected to experience any water shortfall for the next 12 months. The purchase of additional entitlement, up to 250 ML of Murray Zone 7 LRWS, is the main option to secure the system's future water security.

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.