



Mid Goulburn GMA

The Mid Goulburn Groundwater Management Area (GMA) includes the Goulburn River Catchment from the Great Dividing Range north of Seymour to Wunghnu in the north, incorporating the towns of Nagambie, Murchison, Tatura, Mooropna and Shepparton (shown on map overleaf).

Groundwater resources in The Mid Goulburn GMA are managed through a local management plan approved by Goulburn Murray Water (GMW) in 2014.

Plan implementation

The 2014/15 season saw the successful introduction of the Local Management Plan (the Plan) for the Mid Goulburn GMA. The Plan, developed in consultation with customers and key stakeholders, was approved on 13 November 2014.

Since approval, the permissible consumptive volume (PCV) has been reduced from 14,900 megalitres per year (ML/yr) to 12,470 ML/yr in line with the Plan.

Licensed groundwater entitlement and use

There is currently 12,469.9 ML/yr of licence groundwater entitlement in the Mid Goulburn GMA (Table 1).

Table 1 Licensed groundwater entitlement and use in the Mid Goulburn GMA in 2014/15

Management zone	Entitlement (ML/yr)	Use (ML)
Kialla	6,235.9	1,740.4
Nagambie	6,234.0	941.7
Total	12,469.9	2,682.1

Metered use in the Mid Goulburn GMA in 2014/15 was 2,682.1 ML or 22% of total licence entitlement. This is within the range of historic usage (Figure 1).

Groundwater trading

The Plan introduced trading rules to the GMA. Customers may transfer licensed groundwater entitlement on a temporary or permanent basis within or between management zones provided zone limits are not exceeded.

In 2014/15 one permanent trade was undertaken within the Nagambie Zone for a total of 30 ML. No temporary trades were undertaken.

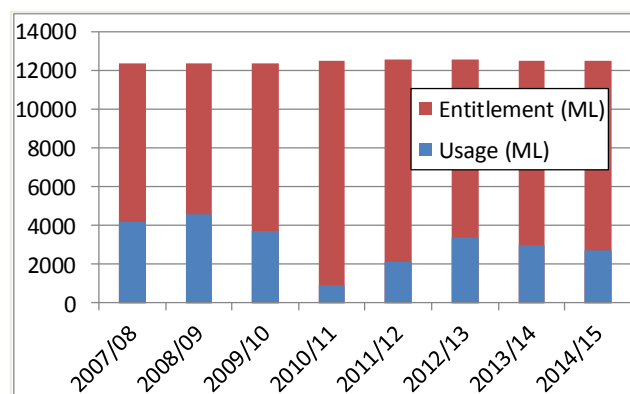


Figure 1 Metered groundwater use in the Mid Goulburn GMA

Carryover

The Plan introduced carryover up to a maximum of 20% to the Mid Goulburn GMA. The 2015/16 season will be the first season that carryover is available to Mid Goulburn GMA customers. A total of 1951.4 ML of carryover is available for use by Mid Goulburn GMA customers in 2015/16.

Groundwater levels

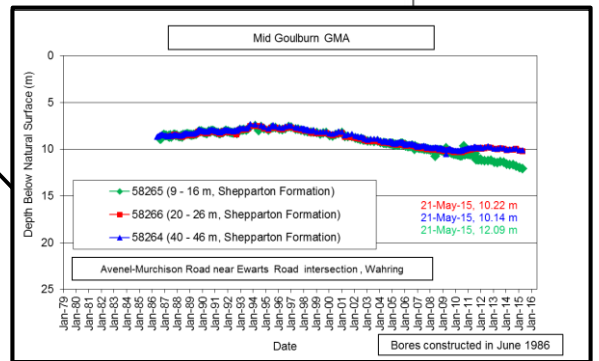
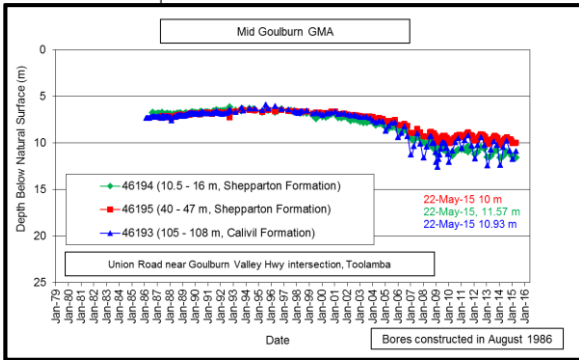
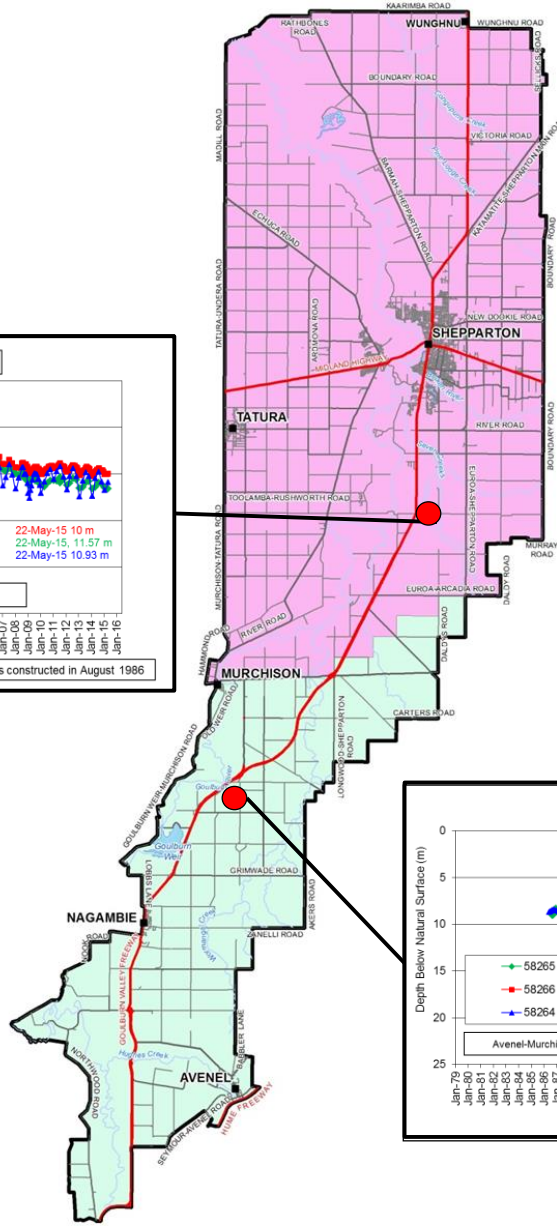
Groundwater levels fluctuate seasonally in response to climate conditions and groundwater extraction. The hydrographs overleaf show that groundwater levels remain stable relatively stable in both management zones. The shallow Shepparton Formation is showing a decline in the Nagambie Zone not observed in the deeper aquifers. This may be due to below average rainfall levels in 2012/13 and 2014/15 seasons.

Plan Review – Zone cap amendment

The Plan has been successfully implemented for roughly eight months. Since implementation bore location information for some bores within the Mid Goulburn GMA have been corrected which has improved GMWs understanding of entitlement distribution. As a result of this, zone caps require amendment. Currently the Kialla Zone is capped at 10,000 ML and the Nagambie Zone at 5,000 ML. The current caps were put in place to ensure that entitlement doesn't all move to one zone. It is suggested that the caps be changed to be 7,500 ML/yr in both zones to better reflect entitlement. GMW will consult with the Goulburn-Broken Regional Water Services Committee to amend zone caps in 2015/16.

MID-GOULBURN GMA: MANAGEMENT ZONES

GOULBURN-MURRAY WATER



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- Legend**
- Town
 - Freeway/highway
 - Major Road
 - Semi-Major Road
 - Minor Road
 - Waterway
 - Waterbody
 - Mid Goulburn GMA
 - Management Zone
 - 1070 Kialla
 - 1071 Nagambie

