

Broken Groundwater Management Area

The Broken Groundwater Management Area (GMA) extends from the upper Broken River catchment near Mansfield, in the south, to Tungamah in the north, and incorporates the towns of Benalla, Glenrowan and Dookie – refer map overleaf.

Groundwater resources

Groundwater resources within the GMA occur in either fractured bedrock aquifers; shallow shoestring sands of the Shepparton Formation; or buried gravels and sands of the Deep Lead. Charts showing groundwater levels and rainfall are provided overleaf.

During the 2021/22 water year, groundwater levels in the Shepparton Formation aquifer continued to fluctuate in response to climatic conditions. Levels in the Deep Lead and bedrock aquifers continued to follow a steadily rising trend.

Groundwater licence volume and use

As at 30 June 2022, there was 2,975.6 megalitres per year (ML/yr) of licence entitlement volume (licence volume) in the GMA (Table 1). This is 10 ML/yr less than 30 June 2021, resulting from the surrender of one licence and a permanent transfer into the GMA.

Total licence volume in the GMA is limited by a permissible consumptive volume of 3,732.0 ML/yr.

Table 1. Licence volumes and use in 2021/22

Management zone	Total licence volume (ML/yr)	Recorded use (ML)
Broken Highlands Zone	1,891.6	311.4
Broken Sedimentary Plains Zone	1,084.0	115.8
Total	2,975.6	427.2

Recorded use in the GMA in 2021/22 was 427.2 ML; this equates to 14 per cent of the total licence volume (Table 1). This is slightly less than the volume of use recorded in 2020/21 which was 507.4 ML (Figure 1).

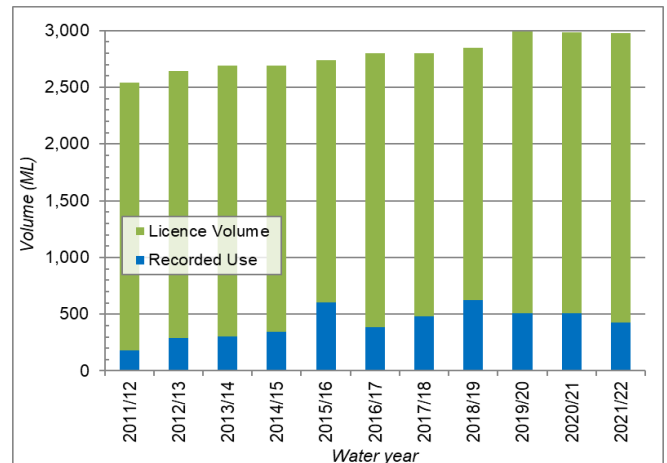


Figure 1. Annual licence and recorded use volumes

Licence transfers

Licence holders may transfer licence volume on a temporary or permanent basis within or between management zones in the GMA, and other groundwater management units, provided that it accords with rules outlined in the *Broken GMA Local Management Plan* (the Plan).

In 2021/22, one permanent transfer transaction was completed – a licence holder in the Broken Sedimentary Plains Zone purchased 2 ML/yr of licence volume from a licence holder in the Katunga Water Supply Protection Area.

Licence compliance

Goulburn-Murray Water (GMW) has a zero-tolerance approach to unauthorised take of non-urban water.

In 2021/22 there was one reported instance of alleged unauthorised take of groundwater in the GMA. This will be investigated and dealt with in accordance with GMW's Risk-Based Compliance and Enforcement Framework.

Please visit www.gmwater.com.au/compliance for more information.

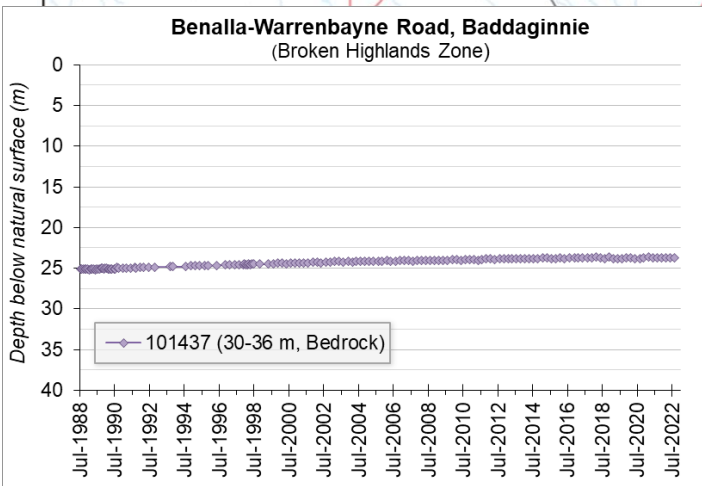
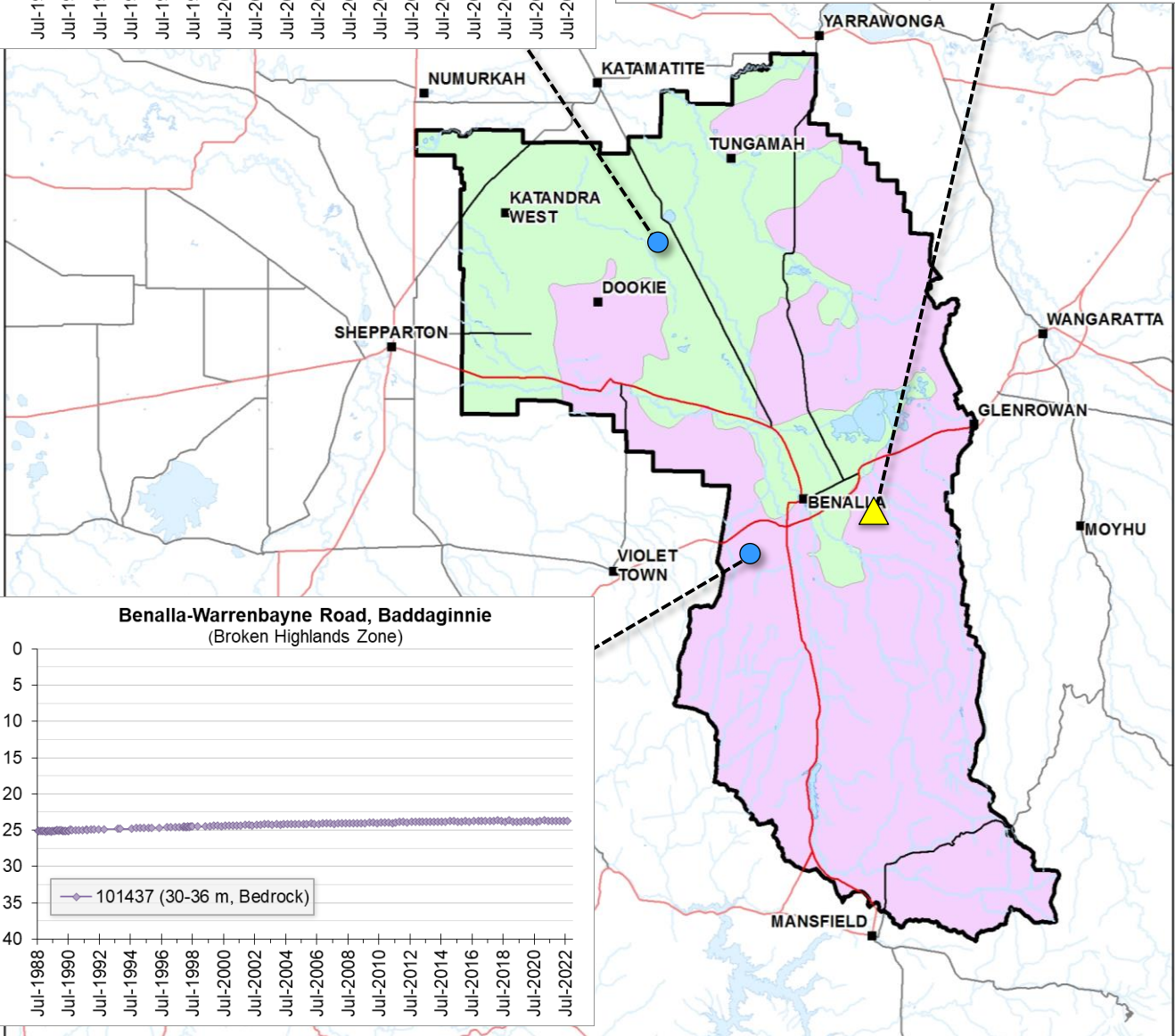
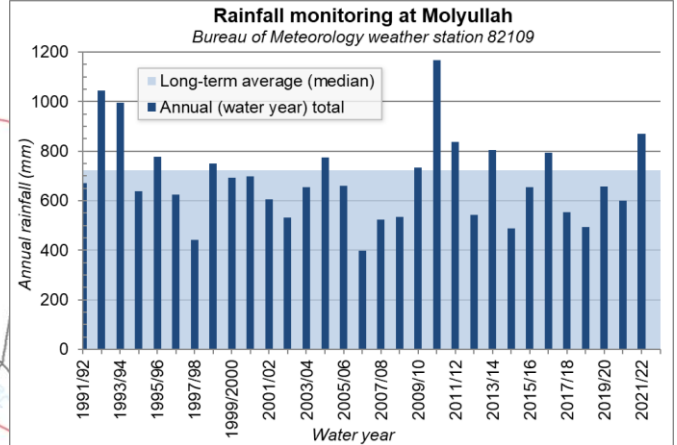
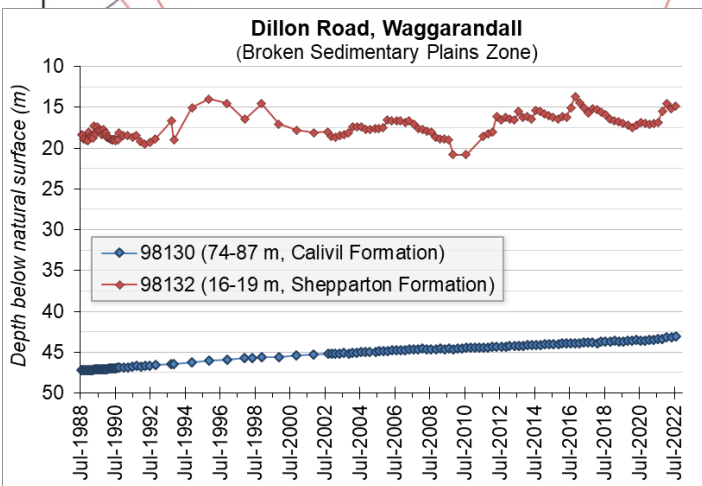
Where can I get more information?

You can download a copy of the Plan from the GMW website, www.gmwater.com.au or phone GMW on 1800 013 357.

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BROKEN GROUNDWATER MANAGEMENT AREA

GOULBURN-MURRAY WATER



IR285503
28 Aug 2017

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Legend

- Freeway/ Highway
- Major Road
- Waterway
- Waterbody
- Broken GMA
- Management Zones
 - Broken Highlands
 - Broken Sedimentary Plain

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