

## Broken Groundwater Management Area

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

### Groundwater resources

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

In 2018/19 groundwater levels in the Shepparton Formation aquifer continued to fluctuate in response to climatic conditions.

The Deep Lead and bedrock aquifers continue to follow a steadily rising trend.

### Groundwater licensed volume and use

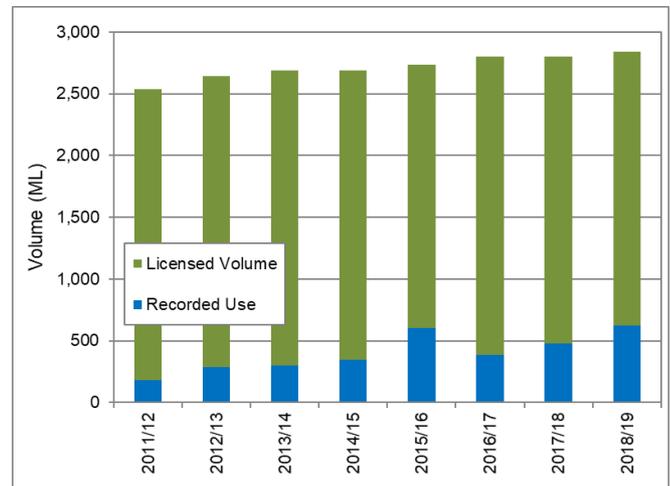
There is currently 2,844.4 megalitres per year (ML/yr) of groundwater licensed volume in the Broken GMA (Table 1). Licensed volume in the Broken GMA is limited by a permissible consumptive volume (PCV) of 3,732.0 ML.

**Table 1 Licensed volume, PCV and recorded use in the Broken GMA**

Management zone	Licensed volume (ML/yr)	Recorded use (ML)
Broken Sedimentary Plains	980.4	103.1
Broken Highlands	1,864.0	518.0
<b>Total</b>	<b>2,844.4</b>	<b>621.1</b>

Recorded use in the Broken GMA in 2018/19 was 621.1 ML which is 22% of total licensed volume (Table 1).

Despite 2018/19 being drier than average, groundwater use only increased by 5% in the Broken GMA compared to 2017/18 (Figure 1).



**Figure 1 Annual recorded use as a proportion of licensed volume in the Broken GMA**

### Groundwater trading

Licence holders may transfer licensed volume on a temporary or permanent basis within or between management zones in the Broken GMA and other Groundwater Management Units, provided that it accords with rules outlined in the Local Management Plan.

No trades occurred in 2018/19.

#### Looking to buy or sell licensed volume?

Watermatch is an online forum where licence holders can advertise their interest to buy or sell licensed volume; either groundwater or unregulated surface water.

Visit [www.watermatch.com.au](http://www.watermatch.com.au)

Transferring licensed volume can provide an opportunity to generate income from unused entitlement for sellers, or increase production for buyers.

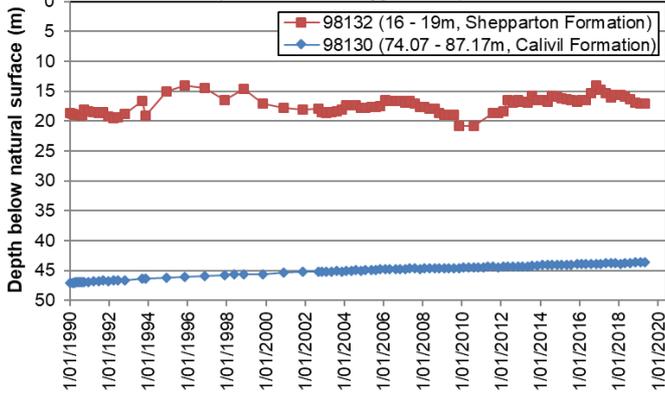
#### Where can I get more information?

You can download a copy of the Broken GMA Local Management Plan from the Goulburn-Murray Water website [www.gmwater.com.au](http://www.gmwater.com.au) or call GMW on 1800 013 357.

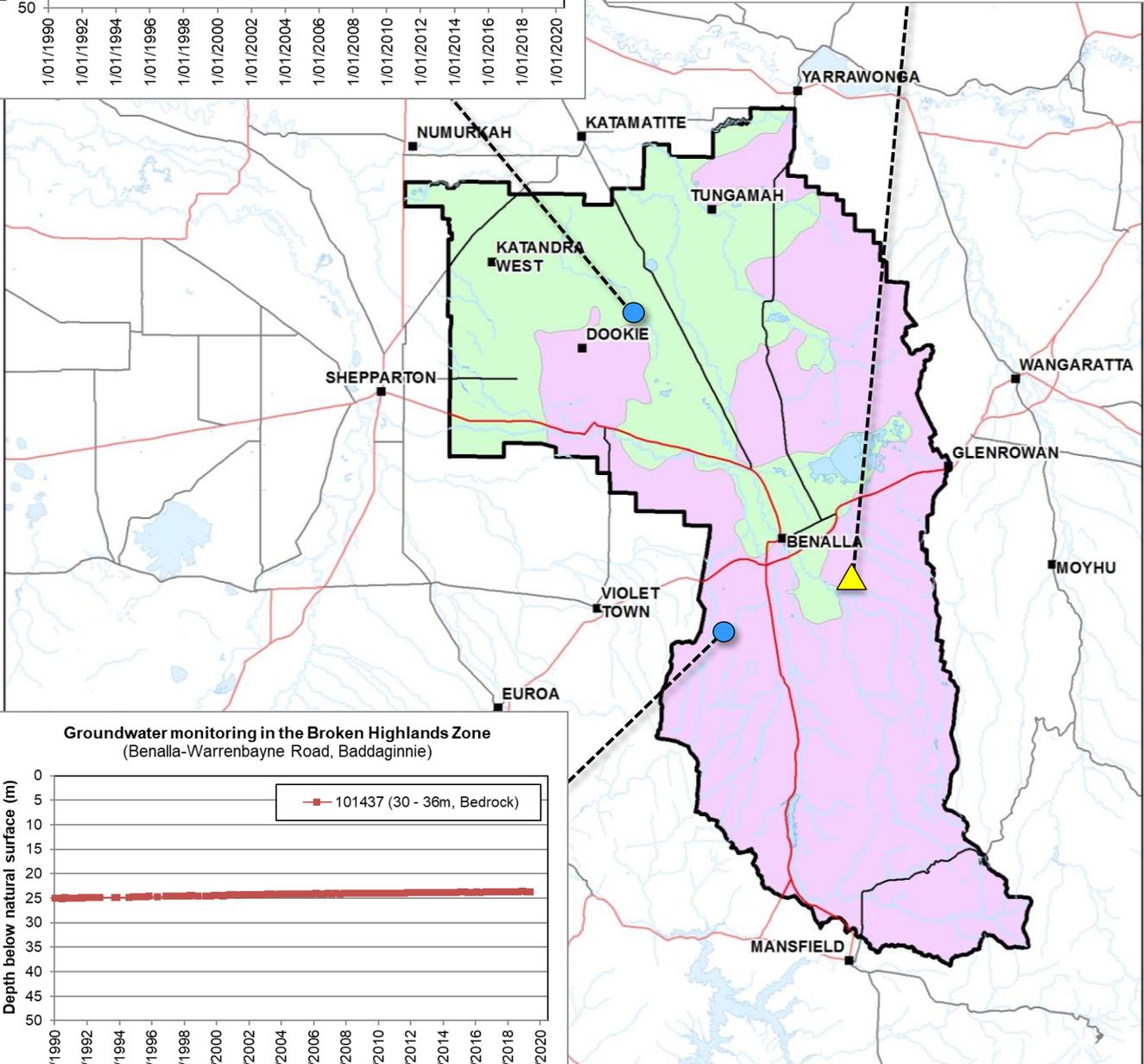
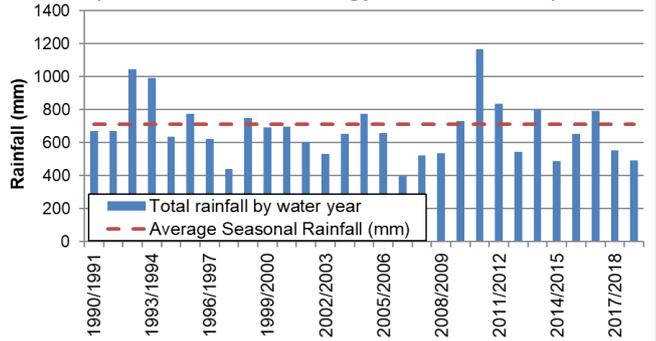
# BROKEN GROUNDWATER MANAGEMENT AREA

GOULBURN-MURRAY

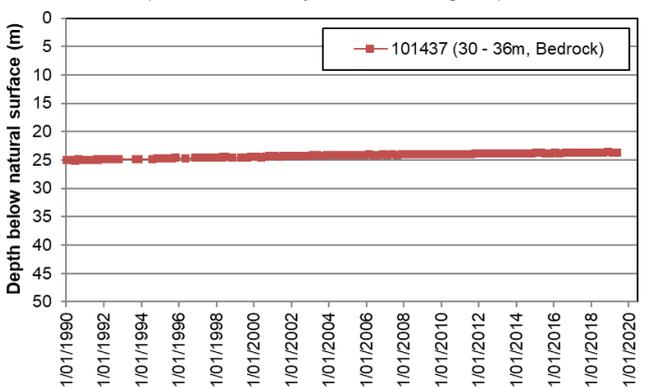
## Groundwater monitoring in the Broken Sedimentary Plains Zone (Dillon Road, Waggarandall)



## Rainfall monitoring at Molyullah (Bureau of Meteorology Station 82109)



## Groundwater monitoring in the Broken Highlands Zone (Benalla-Warrenbayne Road, Baddaginnie)



**IR285503**  
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- Freeway/ Highway
- Major Road
- Waterway
- Waterbody
- Broken GMA
- Broken Highlands
- Broken Sedimentary Plain

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