



Water Reporting Summary – Barwon–Darling Watercourse

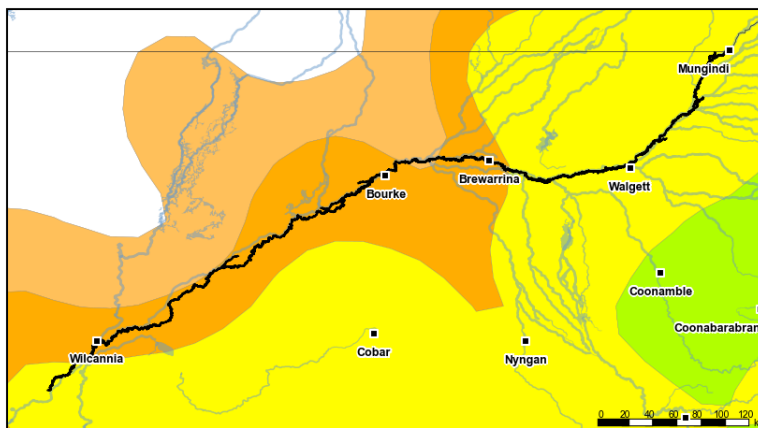
1 June 2021



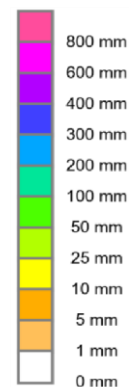
Overview

- In the last month, the downstream areas of the Barwon–Darling Watercourse from Brewarrina to Wilcannia received 5 to 10 mm of rainfall, while areas upstream of Brewarrina received up to 25 mm of rainfall (Figure 1). This is similar to the rainfall pattern reported in the previous Water Reporting Summary. The total area-average rainfall for the Watercourse was 10 mm. The rainfall in the last month is in the context of the extended dry period since January 2017 with rainfall for most areas of the Barwon–Darling Watercourse being below average, and areas upstream of Brewarrina mainly being very much below average and lowest on record (Figure 2).
- In the last month, the root zone soil moisture was average in the Watercourse except along the upstream parts of the Watercourse upstream of Walgett, where soil moisture was above average. The recent rainfall has not translated into runoff and, consequently, the discharge level in the Darling river has decreased considerably (Figure 3). Currently, there are Drought Stage 1 conditions for the Barwon–Darling Watercourse. In Drought Stage 1, surface water can deliver all account water under normal river operations practice (NSW DPIE).
- Water resources are shared between water users according to a water sharing plan, with entitlements on issue shown in Table 1. However, the ability of water users to take water is governed by entitlement conditions which are subject to river flow conditions. With limited water resources available, there has been limited recent water trading activity (Table 2).

Recent conditions

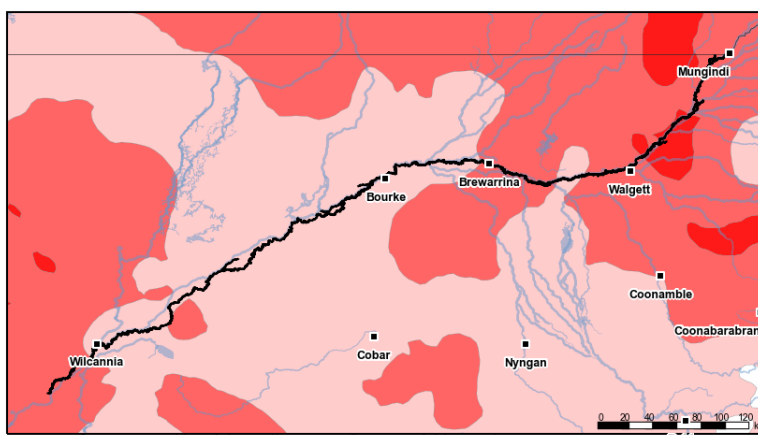


Rainfall totals

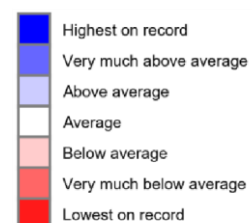


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Figure 1: Rainfall totals for the last 30 days (3 May to 1 June 2021)



Rainfall percentiles



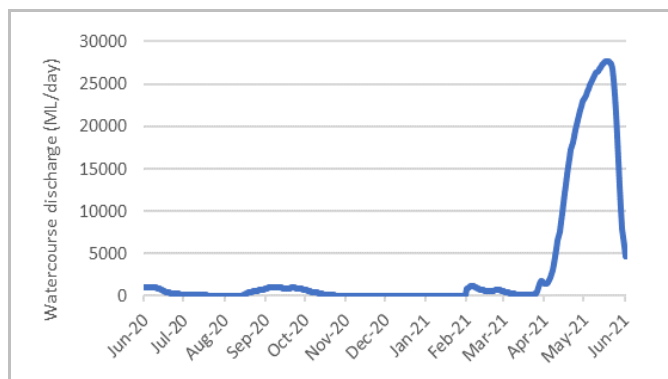
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Figure 2: Rainfall percentiles since January 2017 (compared to 1900–2019 long-term average) (Jan 2017 to May 2021)

Note: Rainfall percentiles for the period from January 2017 are shown as the Bureau of Meteorology considers January 2017 to be the start of the current dry period for eastern Australia.

How much water is in the river?

Darling River at Wilcannia



Darling River at Bourke

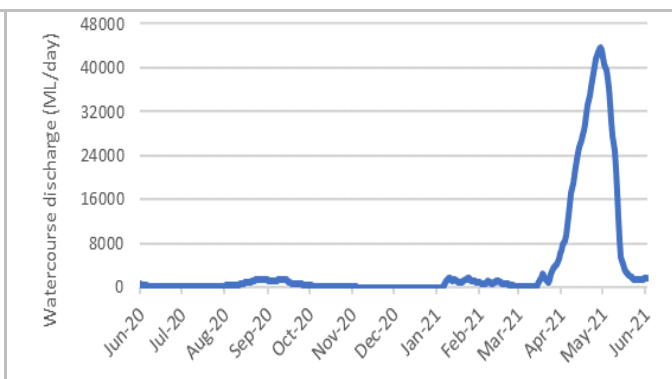


Figure 3: Watercourse discharge (ML per day) for last 12 months at selected gauges in the Barwon–Darling Watercourse (as at 1 June 2021)

Source: [BoM Water Data Online](https://www.bom.gov.au/water/data/)

Who is the water for?

As the Barwon–Darling Watercourse is an unregulated system, water is not stored for the purpose of supplying orders to downstream users. Water is shared between different users according to the *Water Sharing Plan for the Barwon–Darling Unregulated and Alluvial Water Sources 2012* (NSW DPIE). The plan includes categories of water licences or entitlements and the share of the water resource for each entitlement category (expressed as a nominal volume). Entitlements on issue as at 1 July 2020 are shown in Table 1. This does not necessarily represent water that is actually available to licence holders at a given point in time as each licence category has conditions that govern when water can be taken.

Table 1: Nominal volumes of water entitlements on issue, per licence categories (GL) for the 2020–21 water year (last updated 1 July 2020)

Entitlement category	Entitlement share (Nominal GL)
Town, Domestic & Stock	6.6
Unregulated River – Consumptive	161.5
Unregulated River – Environmental	28.6

Source: [BoM water markets dashboard](https://www.bom.gov.au/water/markets/)

Table 2: Water market prices – selected licence categories as at 1 June 2021

Licence category	Entitlement price (monthly median)	Allocation price (median – last 7 days)
Unregulated River (A, B and C Class)	n/a	n/a

Source: [BoM water markets dashboard](https://www.bom.gov.au/water/markets/)

FIND OUT MORE

For more information email water@bom.gov.au



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