



Water Reporting Summary – Barwon–Darling Watercourse

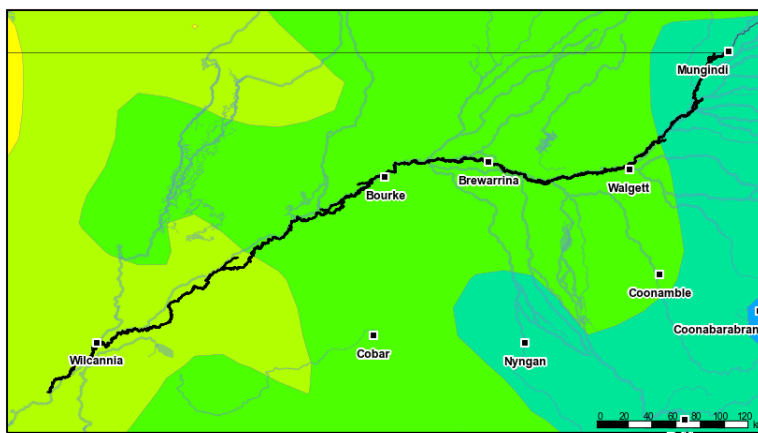
15 January 2021



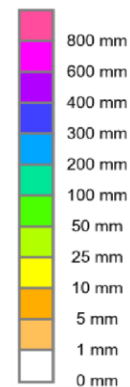
Overview

- In the last month, there was widespread rainfall across the Barwon–Darling Watercourse with central and upstream areas mainly receiving 50 to 100 mm of rainfall, although areas near Mungindi received up to 200 mm. Downstream areas near Wilcannia received 25 to 50 mm of rainfall (Figure 1). The total area-average rainfall for the watercourse was 70 mm. The rainfall in the last month is in the context of the extended dry period since January 2017 with rainfall for the Barwon–Darling Watercourse mainly being very much below average, with some areas near Walgett being lowest on record (Figure 2).
- Recent rainfall has resulted in average to above average root zone soil moisture for the watercourse. Rainfall in the last month has also translated into some runoff and streamflow at Bourke, however this follows a dry October to December period with limited streamflow across the Barwon–Darling Watercourse (Figure 3). Currently, there are Drought Stage 2 (emerging drought or drought recovery) conditions for the Watercourse. In Drought Stage 2, there has been limited water resources and multiple years of low flows (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

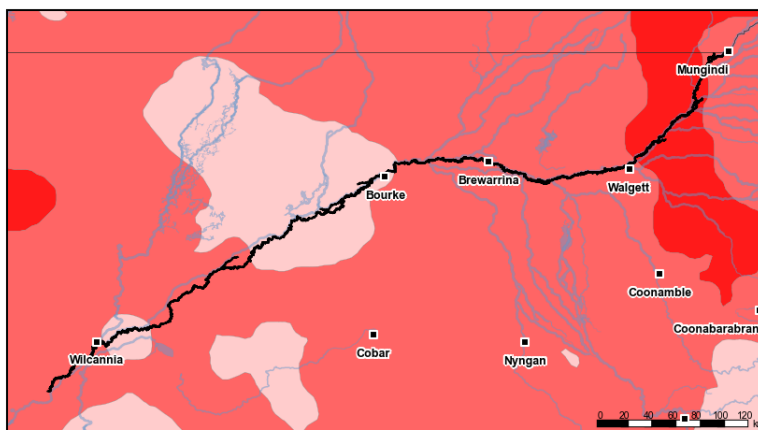


Rainfall totals

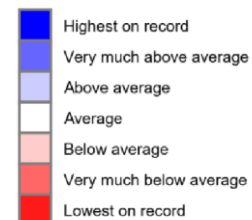


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Figure 1: Rainfall totals for the last 30 days (17 Dec 2020 to 15 Jan 2021)



Rainfall percentiles



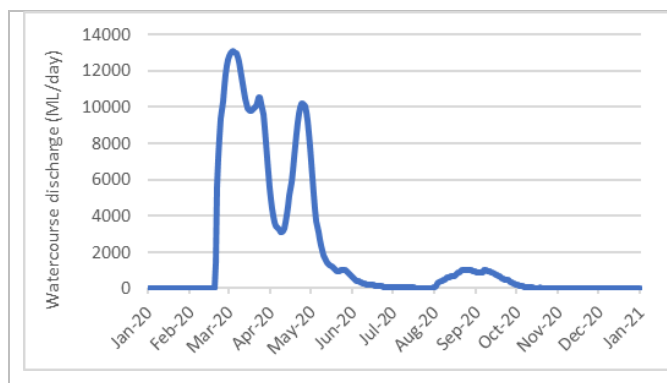
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Figure 2: Rainfall percentiles since January 2017 (compared to 1900–2019 long-term average) (Jan 2017 to Dec 2020)

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

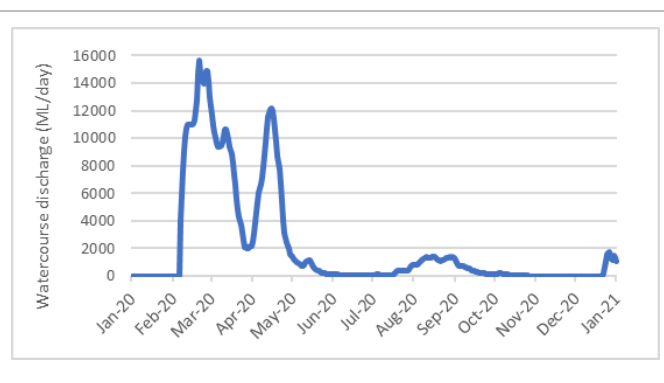


Figure 3: Watercourse discharge (ML per day) for last 12 months at selected gauges in the Barwon–Darling Watercourse (as at 15 January 2021)

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 15 January 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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