



Water Reporting Summary - Barwon–Darling Watercourse

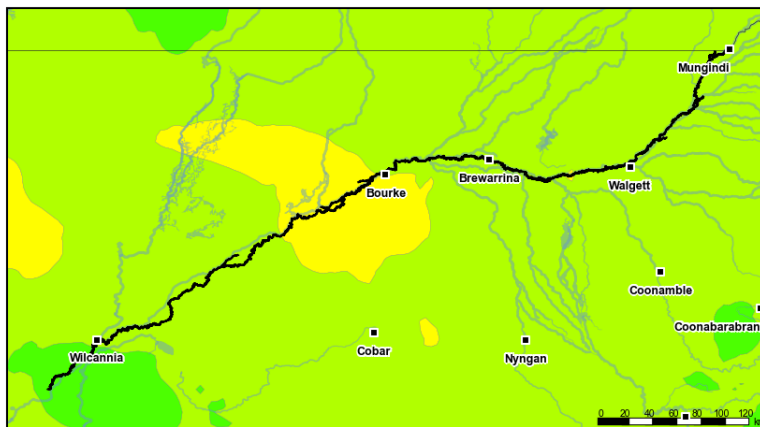
1 October 2020



Overview

- In the last month, there was widespread rainfall across the Barwon–Darling Watercourse with most of the watercourse receiving 25 to 50 mm of rainfall. The main exceptions were near Bourke which received 10 to 25 mm and Wilcannia which received up to 100 mm (Figure 1). The total area-average rainfall for the watercourse was 33 mm, with two-thirds of this rainfall received in one day (20 September). Rainfall in the last month is in the context of the extended dry period since January 2017 with rainfall for the Barwon–Darling Watercourse being mainly very much below average, with some areas near Walgett being lowest on record (Figure 2).
- The recent rainfall has resulted in average or above average root zone soil moisture for most of the Barwon–Darling Watercourse. Rainfall during August and September has translated into some runoff and streamflow following a dry June and July period (Figure 3). Currently, there are Drought Stage 2 conditions for the Barwon–Darling 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 no recent water trading activity (Table 2).

Recent conditions

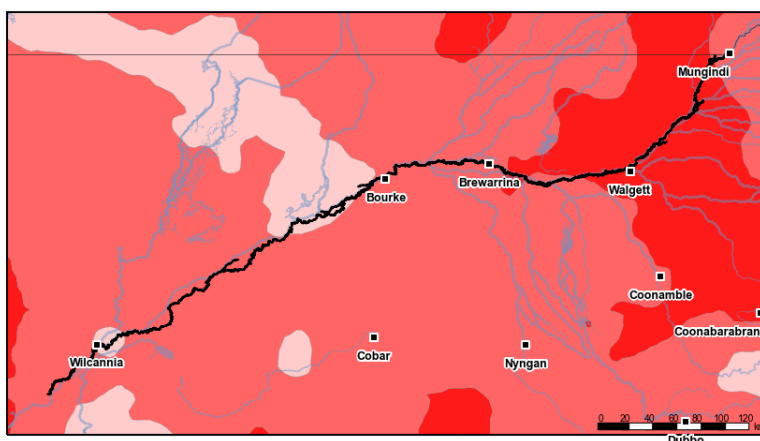


Rainfall totals

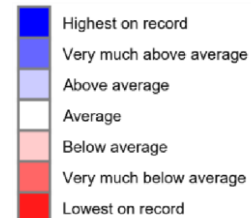


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Figure 1: Rainfall totals for the last 30 days (2 Sept to 1 Oct 2020)



Rainfall percentiles



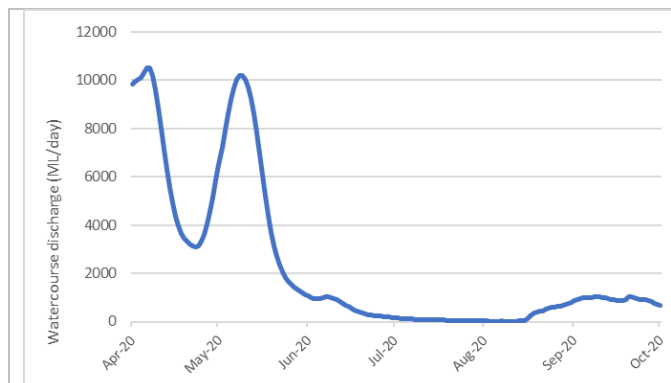
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Figure 2: Rainfall percentiles since January 2017 (compared to 1900-2019 long-term average) (Jan 2017 to Sept 2020)

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

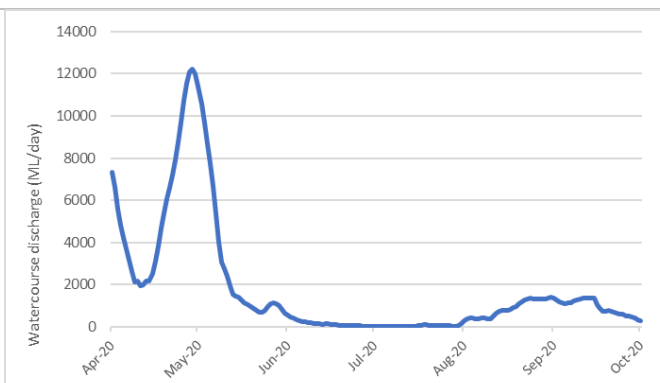


Figure 3: Watercourse discharge (ML per day) for last 6 months at selected gauges in the Barwon–Darling Watercourse (as at 1 Oct 2020)

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 October 2020

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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