

Exploring Rivers of New South Wales

Water Discovery



How many rivers are there in New South Wales?

There are 439 rivers in New South Wales according to the [NSW Geographical Names Board](#).

The Lachlan River

Use the factsheet [Lachlan Region](#) to complete the following.

First Nations Aboriginal peoples living in the Lachlan River Region include:

_____, _____, _____, and _____.

The main industry in the Lachlan Region is _____.

The river and national parks provide ideal spots for _____, _____, _____, _____ and bird watching.

The Lachlan River provides a critical water supply to regional centres such as:

P _____, F _____, C _____, and Lake C _____.

Wyangala Dam

Visit www.watnsw.com.au/supply/visit to learn more about Wyangala Dam (number 3, page 3).

Where is Wyangala Dam located? _____

What is the latest dam level? _____

In what year did construction begin? _____

What does the dam support? _____

Who does the dam supply water to? _____

Why does WaterNSW measure river flow?

By measuring the river flow, we can make better decisions to keep our customers supplied with water. River flow is measured in both major rivers and tributaries. River flow is measured in megalitres (ML) per day.

One megalitre (ML) is equal to one million litres (L) of water.

$$1 \text{ ML} = 1\,000\,000 \text{ L}$$



Did you know?

One gigalitre (GL) is equal to 1 000 megalitres (ML) of water.

So, 1 GL = 1 000 ML.

You can picture a megalitre by imagining 1 000 000, 1-litre bottles of water.



Measuring River Flows

The Belubula River is a tributary of the Lachlan River.

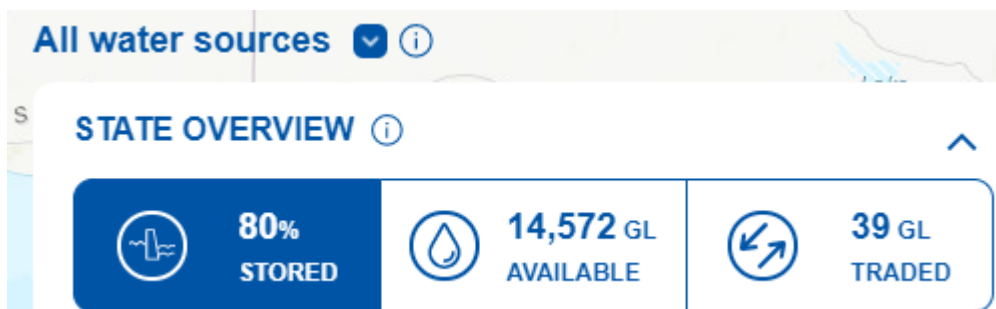
Belubula is a Wiradjuri word meaning, stony river or big lagoon.

You are going to measure the flow on the Belubula River using a WaterNSW interactive platform called Waterinsights.

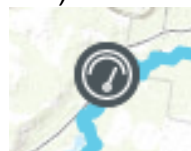
1. Go to [Waterinsights](#)
2. Click on *Home*
3. Click on *All water sources*

User tips:

- Use control + scroll to zoom
- Click on the icons to find out more information
- Press the home button to return to the main page



4. Click on *Belubula Regulated River*
(Note: the map will zoom to the Belubula River)
5. Use control + zoom to go closer
6. Click on the symbol for a gauge or bore
7. Open the data on the gauge.



WaterNSW measures the water in 4 sections on the river.
(Note: One of the gauges is behind the number 2.)

The river has to be measured at different points to predict how much water can be used by farmers and how much water is needed for the town of Canowindra.

8. Find the gauge measuring the water flow at Lyndon.
Fill in the boxes below.

GAUGE
×

Belubula River at Lyndon upstream of Canowindra (412195)

River level m

Flow rate ML/d

Salinity $\mu\text{S/cm}$

Temperature $^{\circ}\text{C}$

Updated: 10/01/2023 10:00:00 AM AEST

[View details](#)

9. Click on **Carcoar Dam**.

Locate its:

- a. Volume
- b. % full

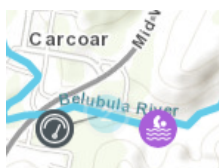
What is the main purpose of Carcoar Dam? _____

In the last **5 years**,

- When did Carcoar Dam receive the highest inflows?
- What did the inflow measure?

In the last **10 years**,

- When did Carcoar Dam receive the highest inflows?
- What did the inflow measure?



Challenge! Revisit the map. Locate the purple icon.

What recreational event has been held at Carcoar Dam on Australia day?

