

SA River Murray Flow Report



Report #10/2024

Issued 12.00pm 8 March 2024

This supersedes the previous Flow Report issued by the Department for Environment and Water (DEW) on 1 March 2024. The next Flow Report will be provided on Friday 15 March 2024.

Flow outlook



Flow outlook at the SA border for the coming week

The flow at the South Australian border is approximately 8 GL/day and will increase to around 9 GL/day over the coming week **depending on river operations**.

The current flow at the border comprises the full March Entitlement Flow (6 GL/day), water for the environment and interstate trade adjustments.

The flow over Lock 1 is approximately 6 GL/day and the flow over the coming week is yet to be determined.

It is important to note that flow forecasts in this advice are based on the information available at the time of preparation. Advice may change as new gauging information becomes available or due to rainfall events or changed operations upstream.

Water levels

Current water levels are updated daily and can be found on [WaterConnect](#).

Upstream flows

More information on upstream conditions and forecasts can be found in the [Murray-Darling Basin Authority's Weekly Flow Report](#).

Murray Mouth

Dredging operations at the Murray Mouth continue after resuming on 27 November 2023 after a break of just over a year due to high flows scouring sand out of the mouth. Dredging is undertaken to maintain connectivity (exchange of water) between the Coorong and the Southern Ocean. Dredging is currently being undertaken with a single large dredge which is operating 12 hours a day for 5 days a week.

Barrage releases, combined with dredging, help to maintain flow connectivity of the River Murray Channel to the Murray Mouth and assist in exporting salt from the river system.

Exclusion Zones established around the dredging operations are in place to ensure public safety. Refer to [Notice to Mariners No 61 of 2023](#).

Barrage operations and water levels in the Lower Lakes

The water level in Lake Alexandrina is approximately 0.66 m AHD and Lake Albert is approximately 0.63 m AHD. The difference is due to wind effects.

The Lower Lakes are being managed to target a daily average lake level between 0.6 m AHD to 0.7 m AHD during March 2024.

During adverse weather conditions, SA Water will operate the barrages to minimise the risk of seawater entering Lake Alexandrina, therefore minimising any negative salinity impacts from reverse flow events.

Gate openings at the barrages can now be viewed on [Water Data SA – Barrage dashboard](#).

Total daily flow releases from the barrages can also be found on [Water Data SA – Flows dashboard](#)

River Murray River Vessel Waste Disposal Stations

The Lock 3 River Vessel Waste Disposal Station has been out of commission since January 2020 due to a significant infrastructure failure. The nearest alternative waste facility is located at Waikerie. Normal boat waste (domestic or galley waste) can still be deposited at the Lock 3 facility at the present time.

You can report any River Vessel Waste Disposal Station issues on 1800 799 065.

If you have any questions, please contact the DEW Engagement Team on DEW.WIOCommunications@sa.gov.au

Lower River Murray levees intermediate remediation funding

The Federal and State Governments have announced \$17.1 million in funding to progress intermediate remediation works for government-owned levees in the Lower Murray Reclaimed Irrigation Area (LMRIA) that were damaged in the 2022-23 River Murray flood event.

The intermediate remediation works will bolster the immediate stabilisation works, which began in March 2023 to enable dewatering of inundated agricultural areas and will support the protection of the region's economically significant agricultural land and floodplain infrastructure in the event of future high flows.

In addition to the \$17.1 million jointly-funded Disaster Recovery Funding Arrangement funding, the South Australian Government has allocated \$14.2 million in state funds for intermediate remediation works to privately-owned LMRIA levees.

Condition assessments of the levees will inform the development of a longer-term resilience strategy for government- and privately-owned levees within the LMRIA. This strategy will also be underpinned by consultation and engagement with the region's relevant stakeholders.

The Department for Environment and Water will continue to work closely with the LMRIA landholders, irrigation trusts and community members in progressing the intermediate remediation works.

Public access to Lower Murray Reclaimed Irrigation Area Levees

All government-owned levee banks along the Lower Murray from Mannum to Wellington continue to remain closed to public access until full condition assessments of the levees are undertaken and levees are deemed safe for public access. Recreational activities along the levee banks, such as walking, cycling and fishing are not allowed.

The government-owned levee banks are Cowirra, Neeta, Wall Flat, Pompoota, Mypolonga, Mobilong, Burdett, Long Flat, Monteith and Jerois.

Privately-owned levees along the Lower Murray are managed and maintained by private landowners and access to their levee banks is at the landholder's discretion. However, access to private levee banks where the department is undertaking reinforcement of levee stabilisation works is not permitted.

If you have any questions, please contact Lisa van der Linde, Communications and Engagement Officer on 0437 313 087 or Lisa.vanderlinde@sa.gov.au

Environmental water delivery

SA is currently receiving approximately 1-2 GL/day of water for the environment from upstream watering actions in the Lower Darling and releases from Lake Victoria. This is expected to continue into March. This water is being provided by the Commonwealth Environmental Water Holder (CEWH) and The Living Murray and it will support the maintenance of water levels in the Lower Lakes and barrage outflows.

Planning for the delivery of water for the environment in 2024-25 is underway, including potential operations of Pike and Katarapko floodplain regulators and associated weir pool raising at Locks 5 and 4 in winter/spring this year.

Environmental news – Turtles making tracks

If you come across a turtle in the River Murray around the Pike Floodplain that looks like it is carrying a small backpack, don't worry!

These small backpacks are actually tracking devices which will help us better understand turtle movements in the upper River Murray region of South Australia, including their use of different habitats and breeding areas, and how they interact with environmental water regulators, fishways and other structures on our floodplains.

Devices have been attached to all three of the species of freshwater turtles that are found in the SA River Murray: the Murray short-necked turtle, the eastern long-necked turtle and the broad-shelled turtle – the largest of our turtle species boasting the longest turtleneck in the world!

If you do see one of our tracked turtles please let it continue its way so that we can continue to collect important movement data from these amazing creatures.



Photo: Chelodina Expansa at Murray River National Park. Photo credit: Angas McNab, University of New England, NSW.

Water quality

Algal blooms upstream of SA

A number of current alerts for blue-green algae have been issued by upstream authorities. They include:

- Darling River at Pomona Boat Ramp (**Red alert**)
- Darling River upstream Pomona (**Amber alert**)
- Darling River at Tapio (**Amber alert**)
- Darling River at Ellerslie (**Red alert**)
- Darling River at Burtundy (**Amber alert**)
- Darling River at Pooncarie (**Amber alert**)
- Darling River at Tolarno (**Amber alert**)
- Darling River at Menindee Weir 32 (**Amber alert**)
- Great Darling Anabranch at Silver City Highway (**Red alert**)

More information on current alerts upstream can be found on the [WaterNSW website – Algae Alerts page](#).

Algal blooms within SA

Ongoing water quality sampling has detected elevated levels of blue-green algae in the River Murray in South Australia with transient detections of high concentrations at some locations. These detections do not represent a health hazard and visible blooms have not been widespread.

As a standard and precautionary measure, SA Health encourages people to avoid contact with obvious green discoloured water, as it may cause skin irritations.

Some level of blue-green algae on a large open water source like the River Murray is normal for this time of year when weather conditions are favourable for growth. SA Water, SA Health and DEW will continue to monitor the situation upstream and will take appropriate mitigation measures, as well as provide notification to the community, as needed.

Water quality alerts in South Australia can be found on the [SA Health website – Water Quality Alerts page](#).

Salinity

Salinity levels throughout the River Murray in South Australia are within their typical range. Nonetheless, it is possible that some irrigators may record higher salinity readings at isolated locations. These higher readings are more likely to be observed at the bottom of the water column.

Irrigators are encouraged to monitor the [daily salinity levels](#) provided by SA Water as part of their business operations.

Further information

- [SA River Murray Flows page - Department for Environment and Water](#)
- [2022-23 River Murray Flood event](#)
- [Government of South Australia - State Disaster Recovery](#)
- [SA Water quality alerts - SA Health](#)
- [Real-time SA water data](#)
- [Current SA daily water levels](#)
- [Daily flow and water level information at key SA Water sites on the River Murray](#)
- [SA daily salinity information](#)
- [SA Marine safety](#)
- [Real time information - whole of River Murray system](#)
- [Whole River Murray System weekly reports](#)
- [Flows in the River Murray System including water for the environment](#)
- [NSW fish kills](#)
- [NSW algal alerts](#)

Bureau of Meteorology

- [SA rainfall and river conditions](#)
- [Victorian rainfall and river conditions](#)
- [NSW rainfall and river conditions](#)
- [Climate outlooks](#)
- [Climate drivers](#)

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