

# SA River Murray Flow Report



**Report #17/2025**

**Issued 12:00pm 25 April 2025**

**This supersedes the previous Flow Report issued by the Department for Environment and Water (DEW) on 18 April 2025. The next Flow Report will be provided on Friday 2 May 2025.**

## Flow outlook



The flow at the South Australian border is approximately 7.5 GL/day and is expected to reduce to approximately 5 GL/day by next Friday.

The current flow at the South Australian border includes the full April Entitlement Flow (4.5 GL/day), along with water for the environment, interstate trade adjustments and adjustment for deferred entitlement flows, which are stored and accumulated for critical human water needs during dry periods.

The flow over Lock 1 this Friday is expected to be approximately 6 GL/day and is expected to reduce to 4.5 GL/day by next Friday.

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, Rainfall and Storages

The past week's rainfall in the Murray-Darling Basin was patchy and isolated, with the large areas of the basin receiving no rainfall. The most significant totals occurred in the Victorian headwaters with isolated totals in the vicinity of 25-50 mm. Further rainfall information can be found at <http://www.bom.gov.au/climate/maps/rainfall/>

The current flood warning for SA Inland Rivers (Cooper Creek and the Diamantina River flowing into South Australia), which is currently affecting properties and townships, such as Innamincka, in the north east of South Australia, is not within the catchment of the Murray-Darling Basin. Both the Cooper Creek and Diamantina River catchments terminate in Lake Eyre. These catchments are distinctly different to the Murray-Darling as they are unregulated.

Rainfall in Queensland throughout March and early April has resulted in significant flow in the Upper Darling Catchments. The forecast estimated inflows into Menindee lakes has been updated to 800-1,200 GL from this event. The current estimated volume is able to be regulated into Menindee Lakes and will not result in an increase in flow to South Australia. Further information will be provided as the flow progresses through the Darling River catchment.

As of 23 April 2025, Dartmouth Dam storage has reduced to 2,997 GL or 78% of capacity, and Hume Dam storage has reduced to 676 GL, or 22% of capacity. Storage in the Menindee Lakes has increased to 592 GL, or 34% of capacity, with sufficient airspace to capture the estimated inflows from the Upper Darling catchment.

Lake Victoria storage is currently at 225 GL, or 33% capacity and forecast to increase in level over the next month. Releases from Lake Victoria are currently contributing to approximately 58% of the flow to South Australia.

Flows at the South Australian border averaged around 7.3 GL/day over the past week.

This forecast remains subject to change, depending on river operations and catchment rainfall. More information on upstream conditions and forecasts can be found in the [Murray-Darling Basin Authority's Weekly Flow Report](#).

## Water allocations

The projected minimum opening allocation for South Australian River Murray irrigators for the 2025-26 water year is 100 percent.

With the projected minimum opening allocation being greater than 50%, the carryover of unused allocations from 2024-25 will not be available for 2025-26.

As the projected minimum opening allocation is 100 percent, no more allocation announcements are scheduled for the 2025-26 water year. In mid-June 2025, the volume of water available for allocation from the River Murray Consumptive Pool will be gazetted and allocations issued for use from 1 July 2025. Water users will be advised of this at that time.

For more information see the latest allocation statement on <https://www.environment.sa.gov.au/topics/water-and-river-murray/water-licences-allocations-and-markets/water-allocation-and-carryover/current-allocations>.

## Water quality

### Algal activity within SA

Ongoing water quality sampling in the Lower Lakes continues to be undertaken and the concentration of blue-green algae *Cylindrospermopsis raciborskii* in Lake Alexandrina remains below threshold values. The current concentration does not pose a health hazard. Some level of blue-green algae on large open water sources like the River Murray or Lower Lakes is normal for this time of year when weather conditions are favourable for growth. Water quality sampling will continue to be undertaken on a regular basis and notifications will be made to the community, as needed. Should concentrations increase and become potentially harmful to humans and animals, SA Health will issue a Water Quality Alert.

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

As a precautionary measure, landholders that access water from the Lakes for stock watering purposes, are encouraged to manage farm water storages accordingly, noting the current high demand for water carting due to the very dry conditions throughout the Mount Lofty Ranges.

### Algal blooms upstream of SA

WaterNSW has issued red alerts for blue-green algae (BGA) at Lake Menindee. A red alert from WaterNSW indicates a toxic algal bloom, making the water dangerous for humans and animals. Water users should exercise caution and avoid areas where signs of blue-green algae are visible. Details of the current NSW alert locations can be found on the [WaterNSW website – Algae Alerts page](#).

Victoria's Goulburn-Murray Water has issued BGA warnings for Lake Eppalock, Cairn Curran Reservoir, Newlyn Reservoir, Tullaroop Reservoir, Laanecoorie Reservoir, Hepburns Lagoon and at Lakes Boga and Charm. Details of the current VIC alert locations can be found on the [Blue-Green Algae Warnings - Goulburn Murray Water](#) page.

## Water for the environment delivery

Approximately 60 GL of water for the environment is expected to be delivered to the Lower Lakes during April following approximately 60 GL in March. The majority of the water arriving in April is direct trade from the Commonwealth Environmental Water Holder, and from a small autumn pulse in the Goulburn River. This water will help to ensure that all 11 fishways can continue to pass small volumes of freshwater to the Coorong. This allows movement and migration for our native fish. In addition to allowing fishways to remain open, the environmental water will also contribute to maintaining water levels in the Lower Lakes over this period. Water for the environment also continues to be delivered as part of SA's Entitlement flow.

Water for the environment is also currently being pumped or gravity fed to a number of sites managed by the Murraylands and Riverland Landscape Board.

Planning for the delivery of water for the environment throughout 2025-26 is currently in progress. As part of this process, planning for the potential operation of the 3 major floodplain regulators (Chowilla, Pike and Katarapko) and the associated locks and weirs is also underway. Operation at each site is under consideration noting this will depend on suitable flows occurring in late winter and spring.

## Murray Mouth

Dredging is continuing around the Murray Mouth and Tauwitchere Channel.

Barrage releases, combined with dredging throughout most of the year, 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

As of the 24 April 2025, the water level in Lake Alexandrina is approximately 0.58m AHD and Lake Albert is approximately 0.59m AHD, noting that lake levels can fluctuate considerably depending on wind conditions.

The Lower Lakes are managed, as far as practicable, to target a daily average lake level between 0.55m AHD and 0.65m AHD throughout April.

During adverse weather conditions and high tides, 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. Barrage operations will continue to be undertaken dependent on upstream flows, lake levels and variable weather conditions.

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](#).

## Do you have an interest in how water is managed in the Lower Lakes and Coorong?

The Department for Environment and Water is seeking new members for the Coorong, Lower Lakes and Murray Mouth Community Advisory Panel (CLLMM CAP).

More information on the Expression of Interest (EOI) process can be found on <https://www.environment.sa.gov.au/topics/water-and-river-murray/basin-river-murray-lakes-and-the-coorong/about-the-river-murray/coorong-lower-lakes-and-murray-mouth/get-involved/cap2025-eoi>.



Picture credit: Jem Tesoriero, MRLB.

## River Murray 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 hard 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 WIO Engagement Team on [DEW.WIOCommunications@sa.gov.au](mailto:DEW.WIOCommunications@sa.gov.au)

## 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.

## Intermediate remediation of the LMRIA levees project

The Intermediate Remediation of the LMRIA Levees project is jointly funded by the Australian and South Australian governments, through the Disaster Recovery Funding Arrangements. This project will return the flood damaged sections of government and private levees to their pre-flood height.

Intermediate remediation works update:

- On-ground remediation works have been completed at Pompoota, Long Flat, Wall Flat, Mypolonga and Burdett.
- Works are continuing to progress at the Mobilong and Neeta levee banks, with Mobilong expected to be completed by early-May. On-ground works at Cowirra are anticipated to commence in late-May.
- The scoping and procurement for works on private levees and the preparation of associated land access agreements with landholders are progressing.
- The department is reviewing the geotechnical assessment reports which were recently received.

### Government levees in the LMRIA are temporarily closed to the public.

Where intermediate remediation works are required for government levees, they will remain temporarily closed until the works are progressively completed and safe access is determined, which is likely to be mid-2025. Any government levee not requiring intermediate remediation work will remain temporarily closed pending the outcome of a full condition assessment and a safety risk assessment to ensure they are safe for public access.

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

### Recreational activities

Recreational activities are not permitted on the levees while they are closed, including:

- walking and running
- cycling
- fishing
- driving vehicles
- mooring houseboats and other vessels.

Designated council houseboat mooring sites can be obtained from the relevant local council website.

Access to private levees is at the landholder's discretion, however, access is not permitted where remediation works are being undertaken.

The safety of the public is of paramount importance and DEW will keep the community informed of the project's progress, including when levees may be accessible to the public, through its website and newsletter.

For more information, please visit [Department for Environment and Water – Levees](#)

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](mailto:Lisa.vanderlinde@sa.gov.au)



## Environmental news – Frog call monitoring at the Lower Lakes

Department for Environment and Water and the Murraylands and Riverland Landscape Board ecologists have collected song meters from several locations around the Lower Lakes. These song meters were set up to record the breeding calls of frogs in response to water level change in Lake Alexandrina recently.

Water for the environment that flows down the river into the Lower Lakes helps to supply water to smaller wetlands that fringe the lakes. This supports the growth of aquatic vegetation, and provides the habitat for frogs to breed.

Scientists will listen to these recordings to determine how many frogs are calling and which species are calling. Stay tuned for more information about their findings.



*Picture 1: Song meter devices recording frog calls. Picture 2: Diverse aquatic vegetation provides habitat for frogs to breed. Picture 3: Long-thumbed frog (Limnodynastes fletcheri) at Hindmarsh Island. Picture 4: Brown tree frog (Litoria calliscelis) at Mundoo. Photos' credits: Olly Cirocco, DEW, and Scotte Wedderburn, The University of Adelaide.*

## SA River Murray Lock 3 maintenance

Mariners are advised that commencing from Monday 18 April 2025, Lock 3 at Overland Corner in South Australia will be closed to navigation for approximately 16 weeks, while SA Water undertakes extensive essential maintenance on the Lock chamber.

Vessels will not be able to navigate through Lock 3 during this time.

SA Water can be contacted at Lock 3 on 08 8588 7005 and the River Murray Operations Berri office on 08 8595 2222.

For further information visit <https://www.sawater.com.au/water-and-the-environment/south-australias-water-sources/river-sources/lockages>.

## Further information

- [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](#)
- [Water for the environment actions in the Murray-Darling basin catchments](#)
- [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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