

# RIVER MURRAY WEEKLY FLOW REPORT

Report #22/2013

Issued 10:00 am 31 May 2013

This supersedes the previous flow report issued by the Department of Environment, Water and Natural Resources (DEWNR) on 24 May 2013. The next flow report will be provided on Friday, 7 June 2013.

## FLOW OUTLOOK

The flow at the South Australian border is approximately 5 400 ML/day and is likely to reduce to around 3 700 ML/day during the coming week, depending on upstream operations and rainfall events. It comprises the May Entitlement Flow of 3 000 ML/day and environmental water provided to South Australia from the Goulburn and Broken Rivers and from the River Murray system storages.

Lake Victoria storage is at 57 per cent capacity.

The flow over Lock 1 is approximately 4 500 ML/day and is likely to reduce to around 3 000 ML/day during the coming week, depending on weather conditions, irrigation demand and environmental water delivery.

It is important to note that flow forecasts in this advice are based on the information available at the time of preparation. They may change as new gauging information becomes available, or due to rainfall events or changed operations upstream. Flow forecasts are dependent on predictions made by the Bureau of Meteorology, Murray-Darling Basin Authority and water management agencies in upstream jurisdictions. They will be revised as new information becomes available.

## BARRAGE OPERATIONS AND WATER LEVELS IN THE LOWER LAKES

The water level in Lake Alexandrina is approximately 0.62 m AHD and approximately 0.65 m AHD in Lake Albert. During the coming week, barrage operations will target a water level between 0.60 m AHD and 0.65 m AHD in both Lakes. Any barrage releases will prioritise environmental water flows at Tauwitschere, to provide ecological benefits to the Coorong. All barrage fishways are in operation and are being supplemented with attractant flows in adjacent bays. SA Water will continue to operate the barrages to minimise any negative impacts from reverse flow events during high tide or swell conditions.

To see live salinity data at various locations on the River Murray and in the Lower Lakes please refer to the following website: <http://www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx>

Water levels and barrage operations are monitored closely by various agencies of the South Australian Government, Murray-Darling Basin Authority and the Commonwealth Environmental Water Office.

## NAVIGATION ISSUES

Under current flow, seasonal conditions and tidal activity, sand is being deposited inside the Murray Mouth and may present navigation hazards. Mariners are advised to navigate with caution when operating in the vicinity of the Murray Mouth.

As the River Murray is under regulated flow conditions, pool water levels are near normal. All river users should be aware of the risk of submerged navigation hazards such as sandbars, particularly downstream of Locks 7 and 8.



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## CONSTRUCTION WORKS

### *Morgan River Vessel Waste Disposal Station*

On Monday 20 May 2013, the Morgan River Vessel Waste Disposal Station was closed temporarily for improvements to the onshore plant, which will include replacement of the electrical control system, septic tank and concrete structure. This work will complement improvements made in 2012, which replaced the pontoon, gangway and offshore plant. The work is expected to be completed by the end of June 2013. During this period, vessels should divert to the Foxtale Marina to dispose of waste. Foxtale Marina is approximately 1.5 kilometres downstream of the Morgan River Vessel Waste Disposal Station.

### *Currency Creek*

The Currency Creek Regulator is being removed by Maritime Constructions Pty Ltd. The dredge commenced operations on 24 April 2013. Removal of the regulator will take approximately 4 months to complete. Maritime Construction Pty Ltd will be operating 24 hours a day, 7 days a week until the work is completed.

### *Mildura Weir Pool Lowering (upstream of South Australia)*

On 27 May 2013, the Mildura Weir pool was drawn down for essential maintenance work on the weir's underwater concrete base. The work will take approximately eight to eleven weeks to complete. Boat access through the weir will not be possible during this period.

It is expected that the lower river level at this location could lead to an increase in saline groundwater entering the river. Any salinity spikes in downstream flows will be diverted through Lake Victoria to be diluted before flowing into South Australia.

### *Chowilla*

Construction of the Chowilla Creek Environmental Regulator and associated structures is ongoing. For public safety reasons the Chowilla Creek remains closed to navigation at the construction site.



## RIVER MURRAY WATER LEVELS

Below is a table of River Murray water levels at a number of locations from Lock 10 (near Wentworth) to Murray Bridge.

**River Murray Water Levels as at 29 May 2013**

Location	River Km	Normal Pool Level	Current Level (m AHD)	1974 Flood Level (m AHD)	1993 Flood Level (m AHD)
Lock 10	825.0	30.80	30.80	33.81	33.32
Lock 9 Kulnine	764.8	27.40	27.60	30.03	29.44
Lock 8 Wangumma	725.7	24.60	24.81	27.60	27.19
Lock 7 Rufus River	696.6	22.10	22.23	25.70	25.24
Lock 6 Murtho	619.8	19.25	19.27	21.03	20.50
Renmark	567.4	-	16.31	18.54	18.04
Lock 5	562.4	16.30	16.30	18.07	17.50
Lyrup	537.8	-	13.27	16.85	16.26
Berri	525.9	-	13.26	15.81	15.74
Lock 4	516.2	13.20	13.24	15.65	15.08
Loxton	489.9	-	10.03	15.05	14.12
Cobdogla	446.9	-	9.85	13.44	12.38
Lock 3	431.4	9.80	9.80	13.16	12.02
Overland Corner	425.9	-	6.29	12.73	11.58
Waikerie	383.6	-	6.31	11.26	10.24
Lock 2	362.1	6.10	6.17	10.28	9.30
Cadell	332.6	-	3.45	9.17	8.08
Morgan	321.7	-	3.32	8.85	7.65
Lock 1 Blanchetown	274.2	3.20	3.22	6.81	5.38
Swan Reach	245.0	0.75	0.54	6.06	4.51
Mannum PS	149.8	0.75	0.58	3.15	1.90
Murray Bridge	115.3	0.75	0.53	2.06	1.26

Note that the above water levels may be affected by local wind conditions.



## FURTHER INFORMATION

The Department of Environment, Water and Natural Resources has published a series of inundation maps for the River Murray. They are available at: [www.waterconnect.sa.gov.au/RMIM/](http://www.waterconnect.sa.gov.au/RMIM/)

Up-to-date River Murray flow and water level information can be accessed at the Department of Environment, Water and Natural Resources, SA Water and Murray-Darling Basin Authority websites:

[www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx](http://www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx)

[www.sawater.com.au/SAWater/Environment/TheRiverMurray/River+Murray+Levels.htm](http://www.sawater.com.au/SAWater/Environment/TheRiverMurray/River+Murray+Levels.htm)

[www.mdba.gov.au/water/live-river-data](http://www.mdba.gov.au/water/live-river-data)

Details of river height and rainfall information in the River Murray within Victoria and New South Wales are available at the Bureau of Meteorology website: <http://www.bom.gov.au/vic/flood>

Information on the discharge of acid drainage water into the Lower River Murray can be accessed online at:

[www.waterforgood.sa.gov.au/rivers-reservoirs-aquifers/river-murray/acid-drainage-water/](http://www.waterforgood.sa.gov.au/rivers-reservoirs-aquifers/river-murray/acid-drainage-water/)

Information provided by the Commonwealth Environmental Water Office can be accessed at:

[www.environment.gov.au/ewater/southern/murray/lower-murray.html](http://www.environment.gov.au/ewater/southern/murray/lower-murray.html)

Information on The Living Murray can be accessed at:

[www.mdba.gov.au/programs/tlm/](http://www.mdba.gov.au/programs/tlm/)

Regularly updated daily water level information can be found at the following websites:

SA Water

[www.sawater.com.au/SAWater/Environment/TheRiverMurray/River+Murray+Levels.htm](http://www.sawater.com.au/SAWater/Environment/TheRiverMurray/River+Murray+Levels.htm)

Information is also available from the SA Water Hotline on **08 8595 2299**

Department of Environment, Water and Natural Resources

[www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx](http://www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx)

<http://www.environment.sa.gov.au/Home>

