

# RIVER MURRAY WEEKLY FLOW REPORT

## Flow to South Australia

Report #16/2013

Issued 10:00 am 19 April 2013

**This supersedes the previous flow report issued by the Department of Environment, Water and Natural Resources (DEWNR) on 12 April 2013. The next flow report will be provided on Friday, 26 April 2013.**

The flow at the South Australian border is approximately 8 100 ML/day and is likely to reduce to around 7 300 ML/day during the coming week, depending on upstream operations and rainfall events. It comprises the April Entitlement Flow of 4 500 ML/day and environmental water provided to South Australia from the Goulburn and Broken Rivers and the River Murray System storages. The trigger to provide ADF is expected to be activated in late April and early May (lasting approximately 10 days subject to release patterns from Menindee Lakes). The Menindee Lakes trigger of 1 300 000 ML will be activated as a result of inflow to the Darling River System from rainfall in Queensland and New South Wales during late January and early March. The Menindee Lakes inflow during March was around 370 000 ML.

Lake Victoria storage is at 30 per cent capacity.

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

The flow over Lock 1 is approximately 5 900 ML/day and is likely to remain around this rate 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 0.65 m AHD and approximately 0.62 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. 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.

### **CONSTRUCTION WORKS**

#### *Currency Creek*

The Currency Creek Regulator will be removed by Maritime Constructions Pty Ltd and equipment is currently being mobilised to site. Removal of the regulator will take approximately 3 months to complete. Maritime Construction will be operating 24 hours a day, 7 days a week until the work is completed.



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WATER IS GOOD

## 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 17 April 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	30.86	33.81	33.32
Lock 9 Kulnine	764.8	27.40	27.44	30.03	29.44
Lock 8 Wangumma	725.7	24.60	24.70	27.60	27.19
Lock 7 Rufus River	696.6	22.10	22.16	25.70	25.24
Lock 6 Murtho	619.8	19.25	19.25	21.03	20.50
Renmark	567.4	-	-	18.54	18.04
Lock 5	562.4	16.30	16.31	18.07	17.50
Lyrup	537.8	-	-	16.85	16.26
Berri	525.9	-	13.25	15.81	15.74
Lock 4	516.2	13.20	13.21	15.65	15.08
Loxton	489.9	-	10.12	15.05	14.12
Cobdogla	446.9	-	-	13.44	12.38
Lock 3	431.4	9.80	9.82	13.16	12.02
Overland Corner	425.9	-	6.34	12.73	11.58
Waikerie	383.6	-	6.34	11.26	10.24
Lock 2	362.1	6.10	6.15	10.28	9.30
Cadell	332.6	-	-	9.17	8.08
Morgan	321.7	-	3.35	8.85	7.65
Lock 1 Blanchetown	274.2	3.20	3.25	6.81	5.38
Swan Reach	245.0	0.75	0.66	6.06	4.51
Mannum PS	149.8	0.75	0.64	3.15	1.90
Murray Bridge	115.3	0.75	0.71	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>

