

# RIVER MURRAY FLOW ADVICE UPDATE

## Flow to South Australia

Issued 10:00, 7 October 2011

This supersedes the previous flow advice update issued by the Department for Water on 30 September 2011. A further flow advice will be provided on Friday 14 October 2011.

### FLOW OUTLOOK

The flow to South Australia is currently around 18,000 megalitres per day (ML/day).

Over the next week the flow to South Australia will reduce to between 10,000 and 15,000 ML/day as the flow upstream reduces due to increased irrigation diversions, higher losses and the gradual refilling of Lake Victoria. This outlook is subject to future rainfall events and changed river operations upstream.

Inflow to the River Murray system upstream of South Australia is expected to increase over the coming weeks due to widespread rainfall across the upper catchments in late September and early October 2011. The amount of additional flow to South Australia from these rainfall events is dependent on river operations and diversions upstream.

The flow over Lock 1 is currently around 30,500 ML/day and will progressively reduce over the coming weeks.

River Murray water users should note that water levels are returning to normal pool level and adjustments to pumping infrastructure may be required to maintain access to water. As water level reduces, boat owners may need to regularly check mooring ropes.

Over the coming months a multi-site environmental watering event may be implemented, which will require bulk water releases from upstream storages. The objective of this multi-site watering is to build upon the benefits from the high flow event and associated inundation during late 2010 and early 2011. During the watering event there will be unregulated flow to South Australia. Updates on the projected flow rates will be provided when the trial is undertaken.

All catchments remain wet and volumes in storage are higher than the same time last year. As a result, even with average rainfall, good stream flow responses are expected to occur from key locations including the upper Murray and north-eastern Victoria. A number of main operational storages such as Hume Reservoir and Lake Eildon are close to full supply level and, if the Bureau of Meteorology forecasts significant rainfall over their catchment areas, it may be necessary to undertake pre-releases for flood mitigation purposes.

### BARRAGE OPERATIONS AND WATER LEVELS IN THE LOWER LAKES

The water level in Lake Alexandrina is currently around 0.83m AHD, after reaching 0.85m AHD early this week. The water level in Lake Albert remains slightly higher at 0.86m AHD. Given that the previous target water level of 0.85m AHD has been reached, barrage gates are now being operated to lower the water level in Lake Alexandrina with the aim of reaching a target water level of 0.8m AHD by mid October 2011. This will continue to facilitate the freshening of Lake Albert.

Water levels and barrage operations are continually monitored by the Department for Water, SA Water and the Department of Environment and Natural Resources.

It is important to note that water levels in the Lower Lakes may vary considerably with wind speed and direction. This, when combined with the high water level or high tides, could result in seawater backflow



events and/or some inundation of low-lying areas around the edges of Lake Alexandrina, Lake Albert or the Goolwa Channel. Barrage operations are being monitored by SA Water to minimise the impacts of any forecast backflow events.

The Department for Water is also responsible for monitoring salinity in the Lower Lakes and maintains a network of salinity recording devices at a number of locations. Data collected from this monitoring network assists the Murray-Darling Basin Authority and the Government of South Australia in determining barrage operations, conducting scientific analysis and formulating policy positions.

## RIVER MURRAY WATER LEVELS

SA Water and the Department for Water have developed a River Murray Water Level chart (attached) to provide water levels at a number of locations from Lock 10 (near Wentworth) to Murray Bridge.

## FURTHER INFORMATION

The Department for Water has published a series of inundation maps for the River Murray. They are available at:

[www.waterconnect.sa.gov.au](http://www.waterconnect.sa.gov.au)

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

<http://data.rivermurray.sa.gov.au>

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

<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](http://www.waterforgood.sa.gov.au)



## River Murray Water Levels as at 6 October 2011

Location	River Km	Normal Pool Level	Current Level (m AHD)
Lock 10	825.0	30.80	30.82
Lock 9 Kulnine	764.8	27.40	27.39
Lock 8 Wangumma	725.7	24.60	24.41
Lock 7 Rufus River	696.6	22.10	22.48
Lock 6 Murtho	619.8	19.25	19.15
Renmark	567.4	-	N/A*
Lock 5	562.4	16.30	16.22
Lyrup	537.8	-	N/A*
Berri	525.9	-	13.14
Lock 4	516.2	13.20	13.01
Loxton	489.9	-	N/A*
Cobdogla	446.9	-	N/A*
Lock 3	431.4	9.80	9.83
Overland Corner	425.9	-	7.53
Waikerie	383.6	-	N/A*
Lock 2	362.1	6.10	6.30
Cadell	332.6	-	N/A*
Morgan	321.7	-	4.03
Lock 1 Blanchetown	274.2	3.20	3.32
Swan Reach	245.0	0.75	1.41
Mannum PS	149.8	0.75	0.90
Murray Bridge	115.3	0.75	0.83

\*N/A – reading not available.

Note that water levels do not take into account local wind conditions.

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)

### Department for Water

<http://www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx>

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

**UPDATES-** This advice remains current until the Department for Water notifies otherwise.



Government of South Australia

Department for Water

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