

RIVER MURRAY FLOW ADVICE

Flow to South Australia

Issued 10:00 21 April 2011

This supersedes the previous flow advice and water resource update issued by the Department for Water (DFW) on 15 April 2011. A further flow advice will be provided on Friday 29 April 2011.

A water resource update will be included in future flow advices prepared on or around the 15th of each month, after receipt of the monthly water resource availability assessment from the Murray-Darling Basin Authority.

FLOW OUTLOOK

River Murray flood waters are receding slowly, with the flow at Wentworth now at approximately 52,000 megalitres per day (ML/day). Flow at the South Australian border has reduced to around 54,000 ML/day and is expected to steadily fall to around 40,000 ML/day by the end of April 2011, instead of the 30,000 ML/day previously forecast. By the end of April the majority of flow will be back within channel. This outlook is subject to further rainfall and changed river operations upstream of South Australia. There are no further flow peaks in transit upstream of South Australia.

Lock and Weir Nos 5, 6 and 9 navigable passes have now been reinstated and are open for boating access.

Lock and Weir Nos 4 and 3 did not close during the high flow event and remain open.

Lock and Weir No 2 (near Waikerie) has been closed to river traffic for several months due to construction work on the navigation pass and the Lock Chamber being inundated with flood water. The water level will need to drop a further 300mm before the Lock Chamber can be operated. It is anticipated the Lock Chamber will be reopened in late April.

Lock and Weir No 1 remains open and the navigable pass has not been replaced. Flow at Lock 1 is still high at 73,000 ML/day and will remain high over Easter. Flow will start to gradually reduce over the coming weeks.

As the flow to South Australia continues to reduce, there is a lot of debris such as trees and logs that may be floating on the surface or submerged. All water users should remain aware of such risks.

BARRAGE OPERATIONS AND WATER LEVELS IN THE LOWER LAKES

The water level in Lake Alexandrina is currently around 0.74m AHD. Water levels in Lakes Alexandrina and Albert and the Goolwa Channel have been high over the last few weeks due to additional water from the recent high flow event and constraints on releasing more water through the barrages and Murray Mouth. Some areas have experienced elevated salinity. High tides are expected over the next week which impact on the volume discharged from Lake Alexandrina into the Coorong

Over the coming months the use of barrage operations, to lower and raise water levels to further freshen Lake Albert and remove salt from the Lower Lakes, will continue. It is anticipated that water levels will remain within a range of 0.6m AHD to 0.8m AHD.

In order to decrease and increase water levels in both lakes, it is necessary for some of the gates/bays to be opened and closed at the barrages to maintain the desired water level target. Both water levels and barrage operations are



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being 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 also vary considerably with wind speed and direction and this, when combined with the high water level, could result in some inundation of low-lying areas around the edge of Lake Alexandrina, Lake Albert or the Goolwa Channel.

RIVER SAFETY

Recreational boat users are warned that some artificial structures on the floodplain, wetlands and creeks – including fences, bridges and other structures – could still be under water due to the relatively high flow conditions and could present a risk to their safety.

People are advised to monitor the latest weather and flow forecasts and obey any signage along the River Murray or instructions from the emergency services.

For flood-related assistance, call the State Emergency Service (SES) on **132 500**.

For life-threatening emergencies, call **000**.

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

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.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

The Murray-Darling Basin Authority publishes blackwater information on its website, including regularly updated bulletins and maps, at <http://mdba.gov.au/water/blackwater>



River Murray Water Levels as at 20 April 2011

Location	River Km	Normal Pool Level	Current Level (m AHD)	1974 Flood Level	1993 Flood Level
Lock 10	825.0	30.80	30.69	33.81	33.32
Lock 9 Kulnine	764.8	27.40	27.78	30.03	29.44
Lock 8 Wangumma	725.7	24.60	25.70	27.60	27.19
Lock 7 Rufus River	696.6	22.10	24.17	25.70	25.24
Lock 6 Murtho	619.8	19.25	19.78	21.03	20.50
Renmark	567.4	-	16.88	18.54	18.04
Lock 5	562.4	16.30	16.71	18.07	17.50
Lyrup	537.8	-	15.09	16.85	16.26
Berri	525.9	-	14.66	15.81	15.74
Lock 4	516.2	13.20	14.29	15.65	15.08
Loxton	489.9	-	13.10	15.05	14.12
Cobdogla	446.9	-	11.22	13.44	12.38
Lock 3	431.4	9.80	10.55	13.16	12.02
Overland Corner	425.9	-	9.89	12.73	11.58
Waikerie	383.6	-	8.72	11.26	10.24
Lock 2	362.1	6.10	7.92	10.28	9.30
Cadell	332.6	-	6.55	9.17	8.08
Morgan	321.7	-	5.93	8.85	7.65
Lock 1 Blanchetown	274.2	3.20	4.19	6.81	5.38
Swan Reach	245.0	0.75	2.83	6.06	4.51
Mannum PS	149.8	0.75	1.18	3.15	1.90
Murray Bridge	115.3	0.75	0.88	2.06	1.26

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

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.

