



# RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 13 JUNE 2012

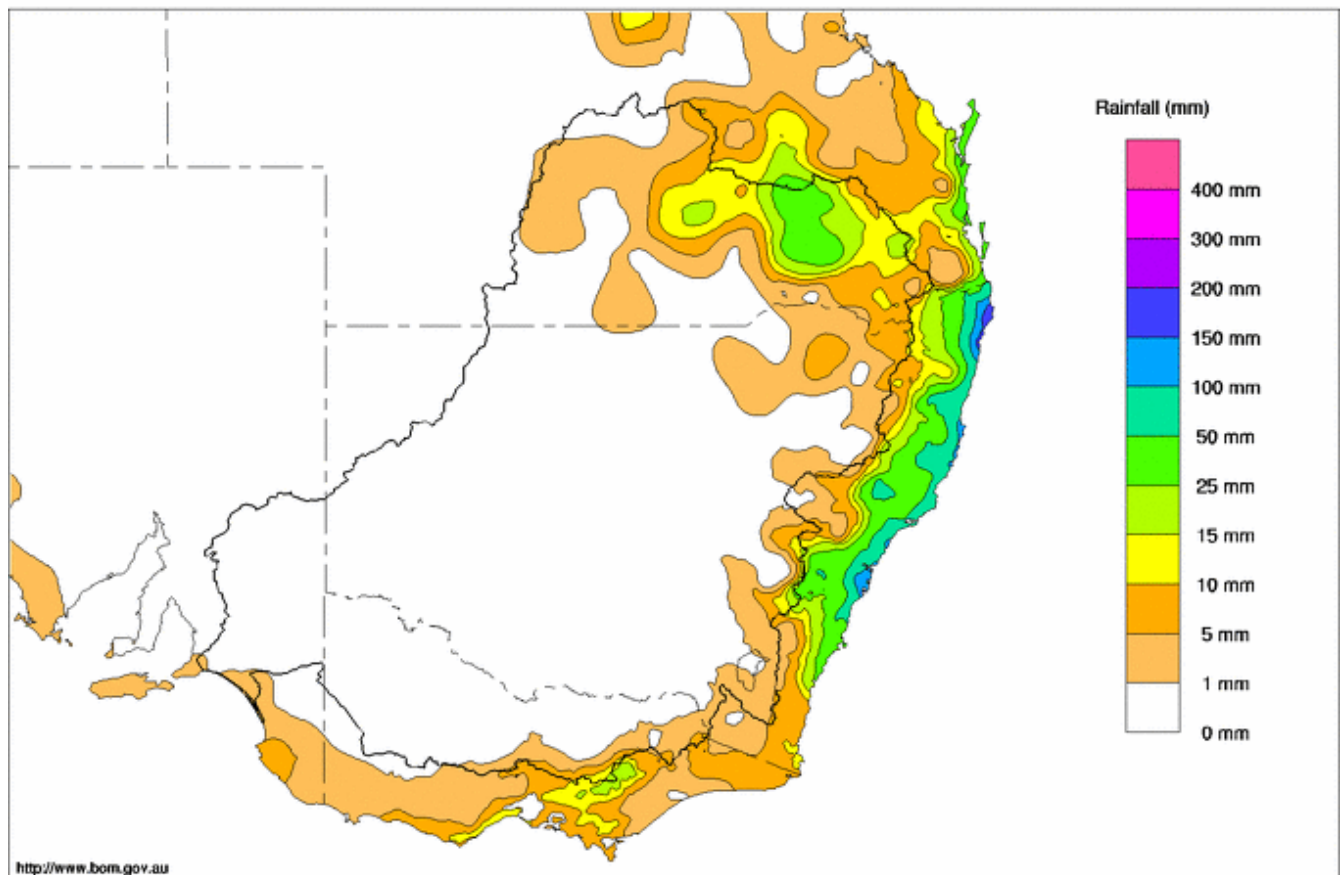
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## Rainfall and Inflows

It was a fine and generally dry week for the Murray-Darling Basin this week. There were areas of heavy rain along Australia's east coast, however within the Basin, only parts of south-east Queensland received rainfall of any significance (Map 1). Highest totals included 50 mm at Texas and 39 mm at Chinchilla.

Flows along the upper system tributaries receded this week following last week's rain event. On the Mitta Mitta River, the flow at Hinnomunjie receded steadily, decreasing from 10,500 to 1,500 ML/day. On the upper River Murray, the flow at Biggara decreased from 10,000 to 2,000 ML/day. Further downstream, higher releases from the Snowy Scheme during the week have boosted flows at Bringenbrong, while at Jingellic the flow has averaged around 12,000 ML/day during the week with a peak of 18,000 ML/day on 8 June.

Murray Darling Rainfall Totals (mm) Week Ending 13th June 2012  
Product of the National Climate Centre



<http://www.bom.gov.au>

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Map 1 – Murray-Darling Basin rainfall for the week ending 13 June 2012 (Source: Bureau of Meteorology).

## River Operations

MDBA active storage increased by 138 GL this week and is now 7,764 GL (90%). At Dartmouth Reservoir, the storage volume increased by 34 GL to 3,304 GL (86% capacity). The release, measured at Colemans remains at 200 ML/day. At Hume Reservoir, the storage increased by 79 GL



to 2,826 GL (94% capacity). Inflows this week have averaged almost 15,000 ML/day and the release has been increased to 4,000 ML/day to manage airspace in the storage. The release is expected to remain at around 4,000 ML/day over the coming days but may be increased further during the next few weeks depending on rainfall and inflows.

At Yarrawonga, the level of Lake Mulwala is currently 124.78 m AHD. The release at Yarrawonga Weir has been increased during the week and is currently 8,000 ML/day. The pool may rise to above 124.8 m AHD during the coming week. The release is expected to remain fairly steady over the coming days but releases further out will depend on rainfall with some precipitation expected across the catchments in the week ahead.

On the Edward-Wakool System, flow through the Edward and Gulpa offtakes is currently 200 and 80 ML/day respectively. At Stevens Weir the release is being maintained at 400 ML/day to assist works on the new fishway. Downstream on the Wakool River, the flow at Kyalite has receded to 2,100 ML/day down from the early April peak of almost 18,000 ML/day.

On the Goulburn River, the flow at McCoys has eased from 2,000 to 1,500 ML/day. The flow is expected to rise back towards 2,000 ML/day in the coming days. At Torrumbarry Weir, the flow is currently 6,200 ML/day and the pool is at the operating target of 86.05 m AHD. The downstream flow should increase steadily this week as higher flows arrive from upstream.

On the Murrumbidgee River, the flow at Balranald receded from 8,700 to 6,300 ML/day this week, but is now fairly steady. The flow is expected to increase slightly in the week ahead. At Euston, the flow decreased to 15,700 ML/day but has remained fairly steady during the last couple of days. The flow should fall away slowly in the coming week.

At the Menindee Lakes, inflow has dropped away further with the average being about 1,200 ML/day during the last week. Total storage volume decreased by 18 GL to 1,901 GL (110% capacity). Release from Menindee Lakes (measured at Weir 32) has been decreased to 2,400 ML/day and will continue to be reduced by around 250 ML/day each day over the coming week. Downstream on the lower Darling River, the flow at Burtundy continues to fall away, with the flow decreasing from 11,600 to 6,300 ML/day.

At Wentworth, the Murray receded to 21,200 ML/day and will continue decreasing over the coming week. At Lake Victoria, the storage volume increased by 42 GL during the week and is now at 407 GL (60%). The flow to South Australia decreased to 19,500 ML/day and a slow recession expected from now on will provide 'unregulated flows' into South Australia for at least another month.

On the lower Murray, flows have now decreased sufficiently to require the reinstatement of all navigable passes, with Lock 7 being the final one to go in during the last week. All weir pools are now being regulated and additional stop logs will be put in place as the flow continues to fall away in the weeks ahead.

At the Lower Lakes, operational requirements coinciding with a period of favourable tide and wind conditions have presented an opportunity to decrease lake levels and pass higher salinity water out of Lake Albert. The 5 day average level for Lake Alexandrina decreased to 0.63 m AHD (12 cm below full supply). Levels in the Lower Lakes should decrease at a slower rate in the coming days before they are increased again in the weeks ahead.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN  
Executive Director, River Management



**Water in Storage**

**Week ending Wednesday 13 Jun 2012**

MDBA Storages	Full Supply Level	Full Supply Volume (GL)	Current Storage Level	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Total Storage for the Week (GL)
	(m AHD)		(m AHD)	(GL)	%			
Dartmouth Reservoir	486.00	3 856	477.19	3 304	86%	71	3 233	+34
Hume Reservoir	192.00	3 005	191.09	2 826	94%	23	2 803	+79
Lake Victoria	27.00	677	24.58	407	60%	100	307	+42
Menindee Lakes		1 731*		1 901	110%	(480 #)	1 421	-18
<b>Total</b>		<b>9 269</b>		<b>8 438</b>	<b>91%</b>	- -	<b>7 764</b>	<b>+138</b>
Total Active MDBA Storage							90% ^	

**Major State Storages**

Burrinjuck Reservoir	1 026	971	95%	3	968	+1
Blowering Reservoir	1 631	1 555	95%	24	1 531	+22
Eildon Reservoir	3 334	2 872	86%	100	2 772	+32

\* Menindee surcharge capacity – 2050 GL

\*\* All Data is rounded to nearest GL \*\*

# NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBA when storage next reaches 640 GL

^ % of total active MDBA storage

**Snowy Mountains Scheme**

Snowy diversions for week ending 12 Jun 2012

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2012
Lake Eucumbene - Total	2 475	n/a	Snowy-Murray	+27	94
Snowy-Murray Component	997	n/a	Tooma-Tumut	+6	26
Target Storage	1 240		Net Diversion	21	68
			Murray 1 Release	+32	119

**Major Diversions from Murray and Lower Darling (GL) \***

New South Wales	This Week	From 1 July 2011	Victoria	This Week	From 1 July 2011
Murray Irrig. Ltd (Net)	-0.1	1057	Yarrowonga Main Channel (net)	-0.2	203
Wakool Sys Allowance	-1.5	31	Torrumbarry System + Nyah (net)	0	546
Western Murray Irrigation	0.2	23	Sunraysia Pumped Districts	0.4	92
Licensed Pumps	1.6	194	Licensed pumps - GMW (Nyah+u/s)	0.5	63
Lower Darling	0.3	295	Licensed pumps - LMW	0.8	266
<b>TOTAL</b>	<b>0.5</b>	<b>1600</b>	<b>TOTAL</b>	<b>1.5</b>	<b>1170</b>

\* Figures derived from estimates and monthly data. Please note that not all data may have been available at the time of creating this report.

\*\* All data above is rounded to nearest 100 ML for weekly data and nearest GL for cumulative data\*\*

**Flow to South Australia (GL)**

\* Flow to SA will be greater than entitlement for this month due to Unregulated Flows and Additional Dilution Flow.

Entitlement this month	90.0 *	
Flow this week	155.8	(22 300 ML/day)
Flow so far this month	371.1	
Flow last month	1,523.0	

**Salinity (EC) (microSiemens/cm at 25° C)**

	Current	Average over the last week	Average since 1 August 2011
Swan Hill	110	100	130
Euston	170	180	140
Red Cliffs	170	180	160
Merbein	130	130	140
Burtundy (Darling)	360	350	340
Lock 9	200	200	190
Lake Victoria	290	280	220
Berri	300	290	250
Waikerie	-	-	-
Morgan	330	310	280
Mannum	300	300	290
Murray Bridge	380	390	300
Milang (Lake Alex.)	490	450	560
Poltalloch (Lake Alex.)	290	290	350
Meningie (Lake Alb.)	4 540	4 520	4 890
Goolwa Barrages	440	440	1 360





**River Levels and Flows**

**Week ending Wednesday 13 Jun 2012**

River Murray	Minor Flood Stage (m)	Gauge Height		Flow (ML/day)	Trend	Average Flow this Week (ML/day)	Average Flow last Week (ML/day)
		local (m)	(m AHD)				
Khancoban	-	-	-	7 290	F	5 690	3 120
Jingellic	4.0	2.25	208.77	9 370	R	12 260	5 410
Tallandoon ( Mitta Mitta River )	4.2	1.53	218.42	740	S	790	770
Heywoods	5.5	2.00	155.63	4 000	S	3 220	600
Doctors Point	5.5	2.30	150.77	6 880	R	5 860	1 860
Albury	4.3	1.27	148.71	-	-	-	-
Corowa	3.8	1.75	127.77	6 550	R	4 640	2 310
Yarrawonga Weir (d/s)	6.4	1.40	116.44	8 100	R	5 970	4 630
Tocumwal	6.4	1.82	105.66	6 690	R	5 360	5 090
Torrumbarry Weir (d/s)	7.3	2.04	80.59	6 210	R	6 570	6 930
Swan Hill	4.5	1.30	64.22	6 140	F	6 580	5 440
Wakool Junction	8.8	3.48	52.60	9 730	F	9 980	10 510
Euston Weir (d/s)	8.8	2.67	44.51	15 710	F	16 210	18 520
Mildura Weir (d/s)	-	-	-	16 890	F	17 820	20 610
Wentworth Weir (d/s)	7.3	4.20	28.96	21 190	F	24 860	38 030
Rufus Junction	-	5.07	22.00	18 310	S	20 810	36 490
Blanchetown (Lock 1 d/s)	-	2.16	-	32 160	F	36 280	44 860
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	2.34	155.57	2 730	R	2 350	1 400
Ovens at Wangaratta	11.9	8.55	146.23	2 030	F	2 400	1 880
Goulburn at McCoys Bridge	9.0	1.88	93.30	1 590	R	1 550	2 560
Edward at Stevens Weir (d/s)	-	0.65	80.42	410	F	430	560
Edward at Liewah	-	2.01	57.39	1 340	F	1 700	2 510
Wakool at Stoney Crossing	-	1.47	54.96	470	F	570	870
Murrumbidgee at Balranald	5.0	4.47	-	6 300	S	6 720	9 140
Barwon at Mungindi	-	3.15	-	10	F	70	100
Darling at Bourke	-	4.40	-	2 300	S	2 360	2 340
Darling at Burtundy Rocks	-	3.78	-	6 340	F	7 900	14 790

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	15 680	12 490
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**Weirs and Locks** Pool levels above or below Full Supply Level (FSL)

Murray	FSL (m AHD)	u/s	d/s		FSL (m AHD)	u/s	d/s
Yarrawonga	124.90	-0.12	-	No. 7 Rufus River	22.10	+0.17	+2.89
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.02	+1.17
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.01	+1.07
No. 11 Mildura	34.40	+0.06	+0.71	No. 4 Bookpurnong	13.20	-0.09	+1.96
No. 10 Wentworth	30.80	-0.04	+1.56	No. 3 Overland Corner	9.80	+0.07	+1.83
No. 9 Kulnine	27.40	-0.05	+0.72	No. 2 Waikerie	6.10	+0.24	+1.94
No. 8 Wangumma	24.60	-0.01	+1.26	No. 1 Blanchetown	3.20	-0.02	+1.41

**Lower Lakes FSL = 0.75 m AHD**

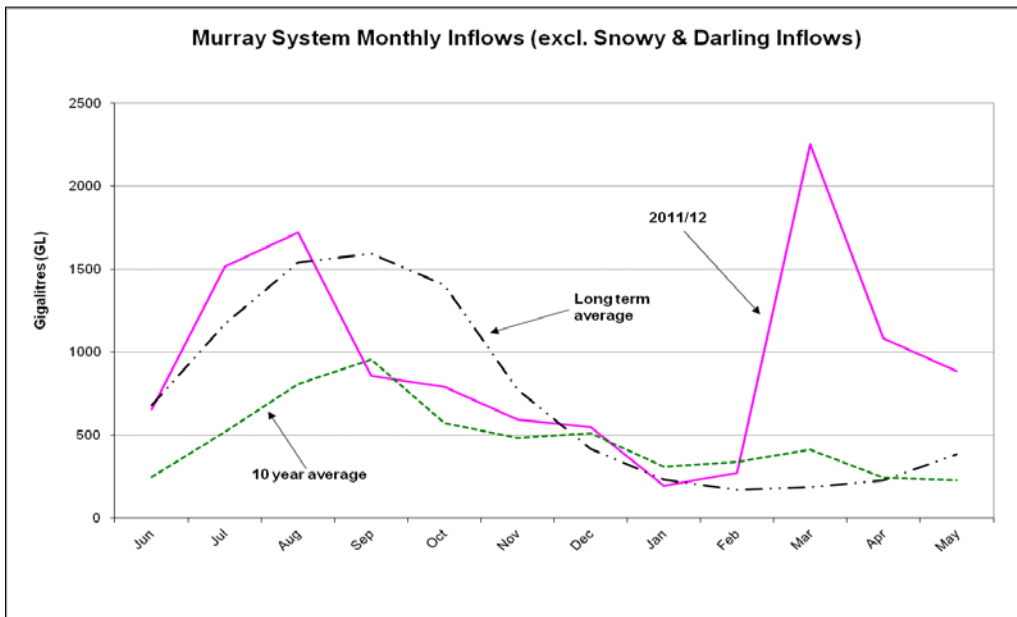
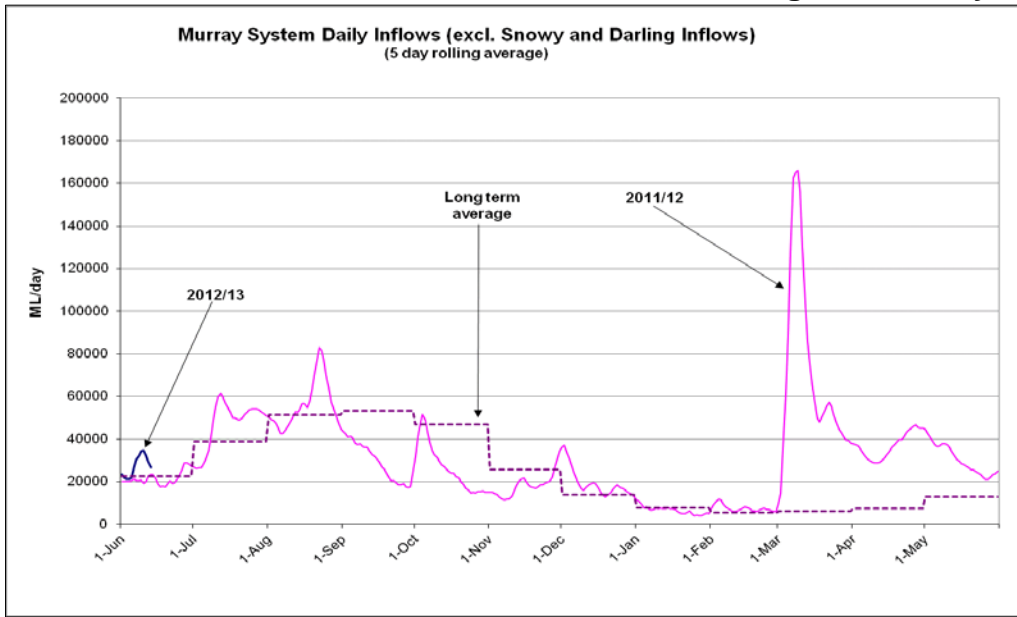
Lake Alexandrina average level for the past 5 days (m AHD)	0.63
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**Barrages**

**Fishways at Barrages**

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.49	50	-	Open
Mundoo	26 openings	0.50	13	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	105	-	-
Tauwichee	322 gates	0.54	165	Open	Open

AHD = Level relative to Australian Height Datum, i.e. height above sea level



State Allocations (as at 13 Jun 2012)

NSW - Murray Valley

High security	100%
General security	100%

Victorian - Murray Valley

High reliability	100%
Low reliability	0%

NSW - Murrumbidgee Valley

High security	100%
General security	100%

Victorian - Goulburn Valley

High reliability	100%
Low reliability	0%

NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	100%
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NSW : <http://www.water.nsw.gov.au/About-us/Media-releases/media/default.aspx>  
 VIC : <http://www.g-mwater.com.au/water-resources/allocations/current.asp>  
 SA : <http://www.waterforgood.sa.gov.au/category/news/>