



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 27 JUNE 2012

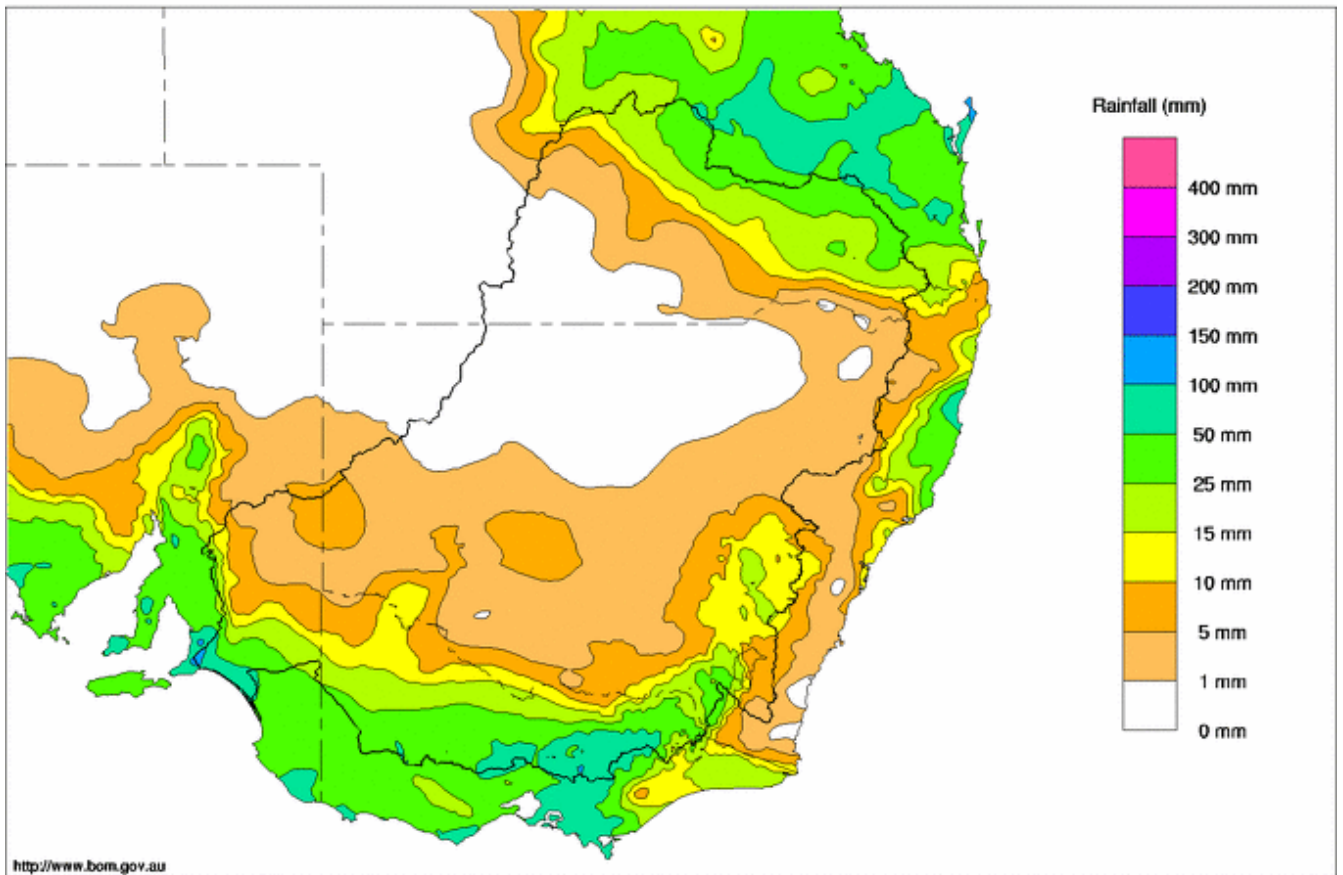
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Rainfall and Inflows

Wintry conditions dominated the south of the Murray-Darling Basin this week with a strong cold front bringing westerly winds, rain and mountain snow. Most of the precipitation was recorded prior to the weekend, with the highest falls focussed around southern South Australia and the central and eastern ranges of Victoria. Best totals included 77 mm at Mt Barker and 68 mm at Milang in SA, 140 mm at Woods Point and 123 mm at Dohertys in Victoria's upper Goulburn River catchment and 95 mm at Whitlands in the King River catchment. Across northern areas, the weather stayed dry until late in the week when a trough developed over south-east Queensland bringing cool temperatures and renewed rainfall to the far north of the Basin (Map 1).

Best stream flow responses were recorded in the Goulburn catchment. Upstream of Eildon Reservoir there were considerable increases observed in the Goulburn River tributaries, while further downstream the Acheron River rose above the minor flood level. At Shepparton, the Goulburn increased from 1,300 ML/day to a peak over 12,000 ML/day. There were also good responses on the King and Ovens Rivers. For example on the Ovens River at Rocky Point, the flow increased from 1,400 to 9,900 ML/day, and on the King River, the flow at Cheshunt rose from 170 to 3,200 ML/day.

Murray Darling Rainfall Totals (mm) Week Ending 27th June 2012
Product of the National Climate Centre



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Map 1 - Murray-Darling Basin rainfall for the week ending 27 June 2012 (Source: Bureau of Meteorology).



River Operations

MDBA active storage increased by 57 GL during the week to 7,930 GL (92% capacity). At Dartmouth Reservoir, the total storage increased by 23 GL to 3,342 GL, which is 87% capacity.

At Hume Reservoir, the storage volume has increased by 3 GL to 2,867 GL (95% capacity) and the release increased to a peak of 15,000 ML/day during the week to pass inflows as they arrived following last week's rain. The release has since been decreased to 10,500 ML/day and the storage level is being maintained to provide the current airspace target of about 140 GL. This target remains under constant review and will be used to help provide limited flood protection to downstream communities during winter. The target will vary depending on rain, inflow and demand forecasts. Communities are advised to have their flood preparations in place and remain vigilant. See the NSW SES website <http://www.ses.nsw.gov.au/community-safety/floodsafe/> for further information.

Downstream at Yarrawonga, the pool level in Lake Mulwala is currently 124.76 m AHD. Release from Yarrawonga Weir was increased from 8,500 to 24,000 ML/day as inflows rose. The release will be decreased steadily over the coming days but current rainfall forecasts suggest it will remain above at least 15,000 ML/day during the next week.

Downstream in the Barmah-Millewa forest, regulators have been opened as flows begin going over bank through the Barmah Choke. The flow at the Barmah gauge has increased to 7,200 ML/day and will keep rising towards 10,000 ML/day in the coming week.

On the Edward-Wakool system, flows through the Edward and Gulpa offtakes have been increased as higher flows arrive. With the addition of overbank flow through the Millewa forest, about 5,000 ML/day is expected at Deniliquin in early July. At Stevens Weir, additional water is being stored in the weir pool, with the level being increased from about 0.8 to 2.7 m on the local gauge. As the pool level rises, around 400 ML/day and 250 ML/day will also be diverted through the Yallakool and Colligen Creek offtakes. These measures are being undertaken to restrict flow downstream of Stevens Weir to assist fishway works.

On the Goulburn River, Goulburn-Murray Water has advised that releases have been increased at Eildon Reservoir following the weekend rain. These releases combined with increasing inflows downstream have led to rises along the lower Goulburn River. The flow at McCoys has increased from 1,300 to 9,700 ML/day with further rises expected. At Torrumbarry Weir, the flow has increased to 10,400 ML/day and is expected to approach 20,000 ML/day in the coming week.

On the Murrumbidgee River, the flow at Balranald has increased from 7,800 to 9,200 ML/day and should increase slightly further in the coming days. At Euston Weir, the flow has increased steadily this week and is now up to 16,600 ML/day. A flow in excess of 25,000 ML/day is expected by mid July.

At Menindee Lakes, the storage increased by just 1 GL, and the total storage remains surcharged at 1,918 GL (111% capacity). The release, measured at Weir 32, is currently 570 ML/day and will be eased back to the normal minimum for surcharged conditions of about 500 ML/day in the week ahead.

At Lake Victoria the rate of filling has slowed in line with the Lake Victoria Operating Strategy as there are now sufficient flows in transit to enable a later filling date. The storage increased by 30 GL to 477 GL (70% capacity). The flow to SA decreased to a low of 13,300 ML/day during the week but has since increased to 17,000 ML/day as a result of higher releases from Lake Victoria and higher flows arriving in the Murray from upstream. It is expected to exceed 20,000 ML/day during July.

The 5-day average level at the Lower Lakes is currently 0.60 m AHD (0.15 m below FSL). This is an increase of 5 cm and follows heavy local rain and the closure of more than half the Barrage gates. Barrage operations aim to continue increasing the Lower Lakes level towards full supply over the coming weeks.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN

Executive Director, River Management



Water in Storage

Week ending Wednesday 27 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	477.82	3 342	87%	71	3 271	+23	
Hume Reservoir	192.00	3 005	191.30	2 867	95%	23	2 844	+3	
Lake Victoria	27.00	677	25.26	477	70%	100	377	+30	
Menindee Lakes		1 731*		1 918	111%	(480 #)	1 438	+1	
Total		9 269		8 604	93%	--	7 930	+57	
Total Active MDBA Storage							92% ^		

Major State Storages

Burrinjuck Reservoir	1 026	957	93%	3	954	+7
Blowering Reservoir	1 631	1 541	95%	24	1 517	-9
Eildon Reservoir	3 334	2 994	90%	100	2 894	+102

* 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 26 Jun 2012

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2012
Lake Eucumbene - Total	N/A	N/A	Snowy-Murray	N/A	N/A
Snowy-Murray Component	N/A	N/A	Tooma-Tumut	N/A	N/A
Target Storage	N/A		Net Diversion	N/A	N/A
			Murray 1 Release	N/A	N/A

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)	0.0	1057	Yarrowonga Main Channel (net)	0	203
Wakool Sys Allowance	-0.6	28	Torrumbarry System + Nyah (net)	0	545
Western Murray Irrigation	0.2	23	Sunraysia Pumped Districts	0.1	93
Licensed Pumps	0.9	196	Licensed pumps - GMW (Nyah+u/s)	0.5	64
Lower Darling	0.0	292	Licensed pumps - LMW	0.8	268
TOTAL	0.5	1596	TOTAL	1.4	1173

* 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	103.5	(14 800 ML/day)
Flow so far this month	586.4	
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	100	70	120
Euston	170	170	140
Red Cliffs	180	170	160
Merbein	180	170	140
Burtundy (Darling)	390	390	350
Lock 9	180	200	190
Lake Victoria	290	290	230
Berri	310	310	260
Waikerie	-	-	-
Morgan	390	350	290
Mannum	370	340	300
Murray Bridge	430	410	310
Milang (Lake Alex.)	460	430	550
Poltalloch (Lake Alex.)	310	310	350
Meningie (Lake Alb.)	4 090	4 260	4 870
Goolwa Barrages	2 020	6 300	1 860



River Levels and Flows

Week ending Wednesday 27 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	-	-	-	-	F	8 210	7 040
Jingellic	4.0	2.46	208.98	11 550	R	11 760	9 710
Tallandoon (Mitta Mitta River)	4.2	1.67	218.56	1 050	F	1 060	740
Heywoods	5.5	2.65	156.28	10 660	F	12 710	5 050
Doctors Point	5.5	2.83	151.30	12 650	F	14 910	6 910
Albury	4.3	1.80	149.24	-	-	-	-
Corowa	3.8	3.12	129.14	14 820	F	13 250	6 300
Yarrowonga Weir (d/s)	6.4	3.25	118.29	24 320	R	17 010	8 220
Tocumwal	6.4	3.55	107.39	20 380	R	12 990	7 660
Torrumbarry Weir (d/s)	7.3	3.22	81.76	10 420	R	9 560	7 960
Swan Hill	4.5	1.68	64.60	8 600	R	8 170	6 100
Wakool Junction	8.8	3.69	52.81	10 570	R	9 820	8 810
Euston Weir (d/s)	8.8	2.79	44.63	16 640	S	15 050	14 500
Mildura Weir (d/s)	-	-	-	15 960	F	14 960	16 040
Wentworth Weir (d/s)	7.3	3.83	28.59	15 880	R	15 810	18 600
Rufus Junction	-	4.79	21.72	15 700	R	13 450	14 520
Blanchetown (Lock 1 d/s)	-	1.22	-	17 780	R	18 020	22 510
Tributaries							
Kiewa at Bandiana	2.7	2.14	155.37	2 370	F	2 210	1 450
Ovens at Wangaratta	11.9	10.18	147.86	7 910	F	7 150	1 850
Goulburn at McCoys Bridge	9.0	5.43	96.85	9 710	R	3 580	1 810
Edward at Stevens Weir (d/s)	-	0.53	80.31	300	F	320	400
Edward at Liewah	-	1.47	56.85	840	F	890	1 120
Wakool at Stoney Crossing	-	1.36	54.85	280	F	310	380
Murrumbidgee at Balranald	5.0	5.39	61.35	9 150	R	8 440	7 480
Barwon at Mungindi	-	3.20	-	70	R	80	20
Darling at Bourke	-	4.45	-	2 750	R	2 550	2 210
Darling at Burtundy Rocks	-	-	-	3 390	F	3 860	5 290

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	8 860	8 110
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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
Yarrowonga	124.90	-0.14	-	No. 7 Rufus River	22.10	+0.46	+2.51
No. 26 Torrumbarry	86.05	-0.10	-	No. 6 Murtho	19.25	+0.06	+0.87
No. 15 Euston	47.60	-0.05	-	No. 5 Renmark	16.30	+0.02	+0.80
No. 11 Mildura	34.40	+0.03	+0.70	No. 4 Bookpurnong	13.20	+0.07	+1.63
No. 10 Wentworth	30.80	+0.09	+1.19	No. 3 Overland Corner	9.80	-0.02	+1.20
No. 9 Kulnine	27.40	+0.08	+0.47	No. 2 Waikerie	6.10	+0.15	+0.97
No. 8 Wangumma	24.60	+0.09	+0.99	No. 1 Blanchetown	3.20	+0.03	+0.47

Lower Lakes FSL = 0.75 m AHD

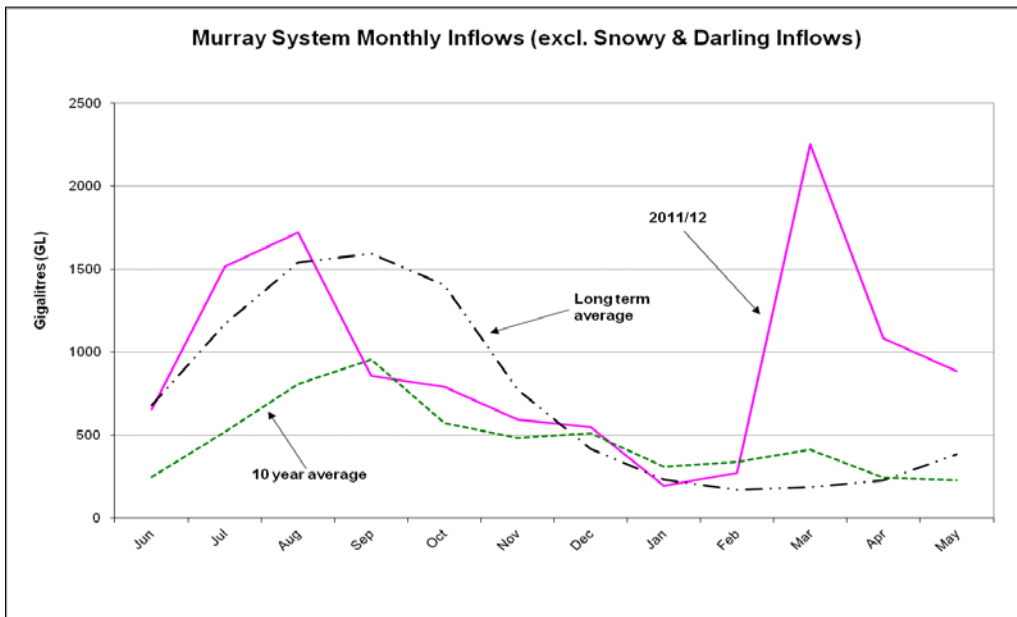
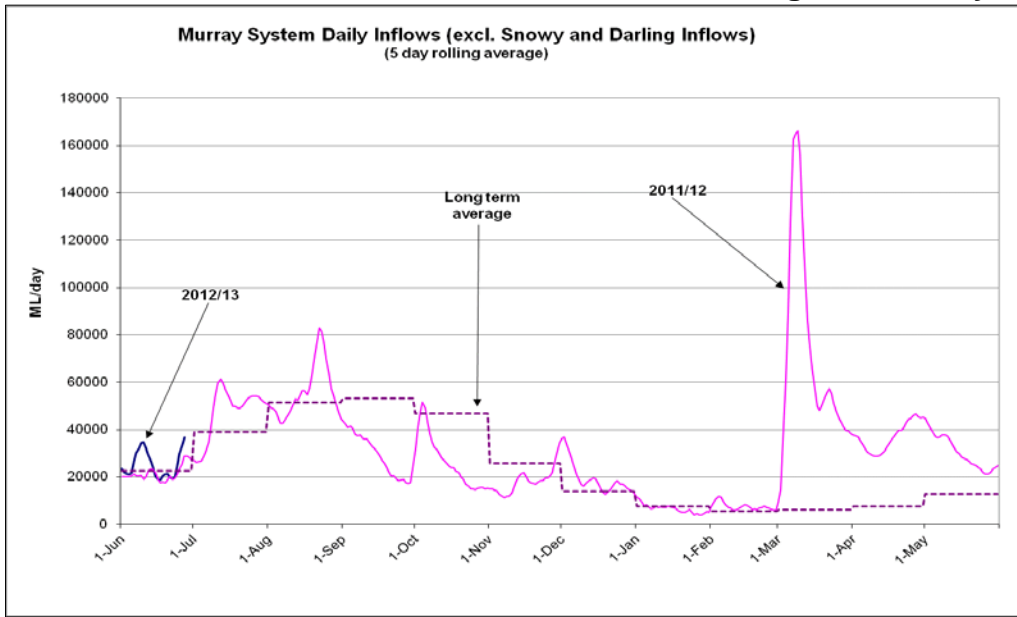
Lake Alexandrina average level for the past 5 days (m AHD)	0.60
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Barrages

Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.61	10	-	Open
Mundoo	26 openings	0.61	All closed	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	13	-	-
Tauwichee	322 gates	0.64	35	Open	Open

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



State Allocations (as at 27 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/>