



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 7 MAY 2014

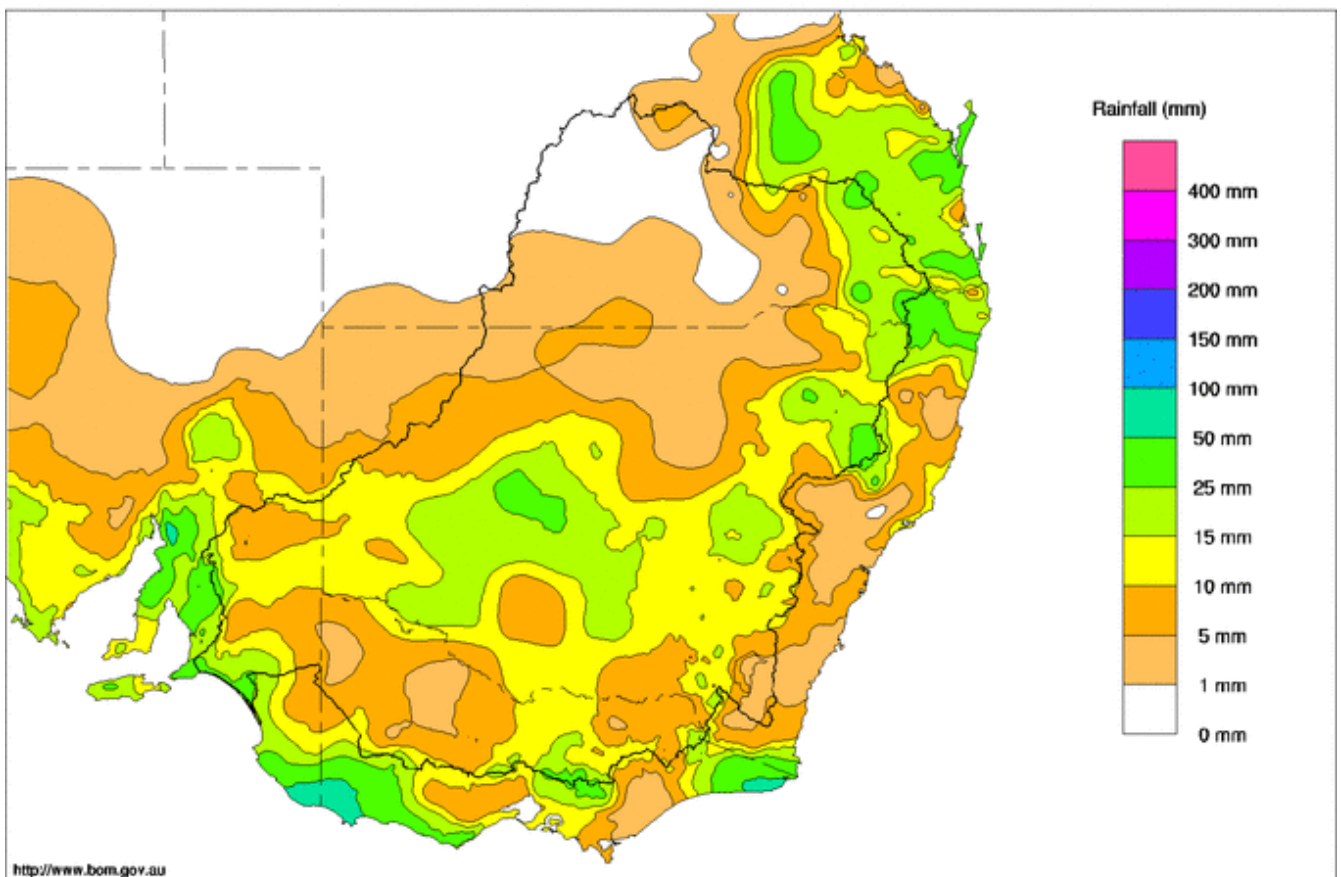
Trim Ref: D14/14710

Rainfall and Inflows

Rainfall extended across much of the Basin this week except for parts of western Queensland (Map1). Highest totals included 47 mm recorded at Coolmunda Dam and 38 mm at Stanthorpe in Queensland's Darling Downs; 35 mm at Nundle and 29 mm at Glen Innes Airport in northern NSW; and 26 mm at Milang and 28 mm at Meningie at South Australia's lower lakes.

Murray-Darling Rainfall Totals (mm) Week Ending 7th May 2014

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 7 May 2014 (Source: Bureau of Meteorology).

Stream flows in the upper tributaries are receding after slight increases due to the recent rain. On the upper Murray, the flow at Biggara reduced from around 500 ML/day to 370 ML/day; on the Mitta Mitta River, the flow at Hinnomunjie Bridge receded from around 370 ML/day to 250 ML/day; and in the Ovens catchment, the flow at Wangaratta reduced from around 850 ML/day to 570 ML/day.

River Operations

As the 2013-14 irrigation season draws to a close, reduced demand due to further autumn rainfall has kept releases from the major storages of the River Murray system at, or close to minimum flows again this week.

MDBA total storage has increased by 35 GL, with the active storage currently 4,818 GL or 57% capacity. At Dartmouth Reservoir, storage increased by 3 GL to 3,428 GL (89% capacity). The release, measured at the Colemans gauge, remains steady at the minimum flow rate of 200 ML/day.



At Hume Reservoir, the storage volume increased by 11 GL this week with total storage now at 1,143 GL (38% capacity). The release was briefly increased to around 2,500 ML/day over the weekend to supply downstream demands however releases are now being reduced toward minimums as the 2013-14 irrigation season draws to a close. The flow at Doctors Point is currently 1,400 ML/day and expected to be at a minimum flow of 1,200 ML/day in coming days.

At Yarrowonga Weir, total weekly diversions at the major irrigation offtakes reduced this week to 11.2 GL. Diversions to Mulwala Canal and Yarrowonga Main Canal will cease next week. The pool level in Lake Mulwala is currently 124.68m AHD and forecast to fall away slightly over the coming week. The downstream release from Yarrowonga Weir is currently at a minimum flow of 1,800 ML/day.

On the Edward River system, flow through the Edward River and Gulpa Creek offtakes has eased to 130 ML/day and 50 ML/day respectively due to the low flow in the River Murray at Picnic Point. At Stevens Weir, diversions to the Wakool Main Canal have reduced to 200 ML/day and the downstream release is 300 ML/day.

On the Goulburn River, flows at McCoys Bridge are currently steady at 1,000 ML/day. On the Murray at Torrumbarry Weir, diversions at National Channel are also steady at 1,000 ML/day. Diversions for irrigation will cease at the end of the coming week, however environmental water will continue to be delivered during winter to flood Gunbower forest using Goulburn-Murray Water infrastructure. The downstream flow at Torrumbarry is currently 2,000 ML/day; whilst at Euston Weir, the flow is 5,000 ML/day.

At Menindee Lakes, the storage volume increased by 1 GL over the last week and is now at 390 GL (23% capacity). Release from the lakes is currently at a minimum flow rate of 200 ML/day at Weir 32. For the latest communique regarding the management of Menindee Lakes, visit the NSW Office of Water website: <http://www.water.nsw.gov.au> .

On the River Murray, downstream of the Darling confluence, the flow at Wentworth is currently 5,000 ML/day and receding.

At Lake Victoria, the storage volume has increased by 19 GL to 441 GL (65% capacity; 24.93 mAHD). Works currently underway at Lake Victoria outlet may prevent the Lake level from rising above a limit of 25 mAHD during the period of the works. In order to reduce the volume stored in Lake Victoria, several of the weir pools on the lower River Murray are currently being surcharged above normal full supply levels. These include Wentworth – currently 30.90 m AHD or 10 cm above FSL, Lock 9 - currently 27.47 m AHD or 7 cm above FSL and Lock 8 - currently 24.95 m AHD or 35 cm above FSL.

The flow to South Australia will be around 3,600 ML/day for the coming week, which is made up of 3,000 ML/day May entitlement flow plus an additional 600 ML/day of environmental water being delivered from the Goulburn River.

At the Lower Lakes, the 5-day average level in Lake Alexandrina has increased 2 cm to 0.65 m AHD. The Barrages were closed over the weekend due to high tides, but were reopened later in the week and are estimated to be currently releasing around 2,500 ML/day, including around 500 ML/day through the fishways.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Management



Water in Storage

Week ending Wednesday 07 May 2014

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	479.24	3 428	89%	71	3 357	+3
Hume Reservoir	192.00	3 005	180.09	1 143	38%	23	1 120	+11
Lake Victoria	27.00	677	24.93	441	65%	100	341	+19
Menindee Lakes		1 731*		390	23%	(- -) #	0	+1
Total		9 269		5 402	58%	- -	4 818	+35
Total Active MDBA Storage							57% ^	

Major State Storages

Burrinjuck Reservoir	1 026	567	55%	3	564	+4
Blowering Reservoir	1 631	819	50%	24	795	+25
Eildon Reservoir	3 334	2 280	68%	100	2 180	-4

* 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 06 May 2014

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2014
Lake Eucumbene - Total	1 571	-16	Snowy-Murray	+13	13
Snowy-Murray Component	769	10	Tooma-Tumut	+2	1
Target Storage	1 290		Net Diversion	11	11
			Murray 1 Release	+18	14

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This Week	From 1 July 2013	Victoria	This Week	From 1 July 2013
Murray Irrig. Ltd (Net)	8.0	1090	Yarrowonga Main Channel (net)	0.8	311
Wakool Sys Allowance	1.5	49	Torrumbarry System + Nyah (net)	5	515
Western Murray Irrigation	0.1	26	Sunraysia Pumped Districts	0.2	109
Licensed Pumps	0.9	235	Licensed pumps - GMW (Nyah+u/s)	0.4	169
Lower Darling	0.1	197	Licensed pumps - LMW	5.7	278
TOTAL	10.6	1597	TOTAL	12.1	1382

* 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 normal entitlement for this month due to the delivery of additional environmental water.

Entitlement this month	93.0 *
Flow this week	26.4
Flow so far this month	26.4
Flow last month	183.5

(3 800 ML/day)

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

	Current	Average over the last week	Average since 1 August 2013
Swan Hill	140	130	90
Euston	120	110	100
Red Cliffs	150	160	120
Merbein	190	170	130
Burtundy (Darling)	530	490	500
Lock 9	130	140	180
Lake Victoria	240	230	250
Berri	280	280	270
Waikerie	350	350	320
Morgan	350	340	320
Mannum	450	450	360
Murray Bridge	510	500	360
Milang (Lake Alex.)	750	750	680
Poltalloch (Lake Alex.)	650	620	560
Meningie (Lake Alb.)	2 590	2 650	2 650
Goolwa Barrages	1 330	2 190	1 290



River Levels and Flows

Week ending Wednesday 07 May 2014

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	-	-	-	3 720	F	2 570	800
Jingellic	4.0	1.73	208.25	4 600	R	3 640	1 530
Tallandoon (Mitta Mitta River)	4.2	1.33	218.22	400	S	420	410
Heywoods	5.5	1.63	155.26	1 500	F	1 650	2 490
Doctors Point	5.5	1.64	150.11	2 010	F	2 430	2 990
Albury	4.3	0.78	148.22	-	-	-	-
Corowa	3.8	1.06	127.08	3 490	F	3 160	3 100
Yarrowonga Weir (d/s)	6.4	0.33	115.37	1 890	S	1 830	2 180
Tocumwal	6.4	0.93	104.77	2 130	S	2 250	2 600
Torrumbarry Weir (d/s)	7.3	0.95	79.50	2 040	F	2 260	2 290
Swan Hill	4.5	0.74	63.66	2 740	R	2 630	4 050
Wakool Junction	8.8	2.21	51.33	4 710	F	5 030	7 740
Euston Weir (d/s)	8.8	1.14	42.98	5 020	F	5 120	8 410
Mildura Weir (d/s)	-	-	-	-	-	-	-
Wentworth Weir (d/s)	7.3	2.92	27.68	5 070	R	6 360	8 860
Rufus Junction	-	2.85	19.78	3 050	F	3 060	4 330
Blanchetown (Lock 1 d/s)	-	0.62	-	2 950	R	3 150	4 550
Tributaries							
Kiewa at Bandiana	2.7	0.91	154.14	410	S	580	320
Ovens at Wangaratta	11.9	7.98	145.66	570	F	730	890
Goulburn at McCoys Bridge	9.0	1.52	92.94	1 000	F	1 010	990
Edward at Stevens Weir (d/s)	-	0.54	80.31	310	F	300	310
Edward at Liewah	-	1.40	56.78	780	F	1 090	1 490
Wakool at Stoney Crossing	-	1.54	55.03	710	F	800	850
Murrumbidgee at Balranald	5.0	0.62	56.58	280	F	410	190
Barwon at Mungindi	-	3.18	-	90	S	120	180
Darling at Bourke	-	4.14	-	540	F	820	2 030
Darling at Burtundy Rocks	-	0.82	-	300	S	280	240

Natural Inflow to Hume	2 400	2 260
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(i.e. Pre Dartmouth & Snowy Mountains scheme)

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	-0.22	-	No. 7 Rufus River	22.10	-0.03	+0.53
No. 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.09	+0.03
No. 15 Euston	47.60	+0.09	-	No. 5 Renmark	16.30	+0.08	+0.14
No. 11 Mildura	34.40	+0.00	+0.16	No. 4 Bookpurnong	13.20	+0.08	+0.47
No. 10 Wentworth	30.80	+0.10	+0.28	No. 3 Overland Corner	9.80	+0.13	+0.40
No. 9 Kulnine	27.40	+0.07	+0.33	No. 2 Waikerie	6.10	+0.21	+0.23
No. 8 Wangumma	24.60	+0.35	-0.01	No. 1 Blanchetown	3.20	+0.14	-0.14

Lower Lakes FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days (m AHD)	0.65
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Barrages

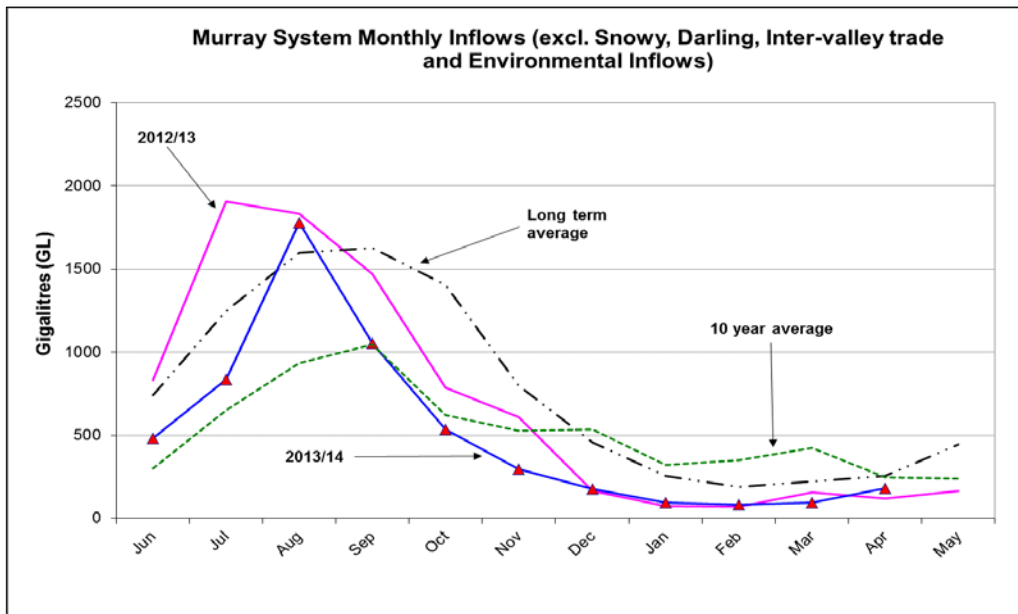
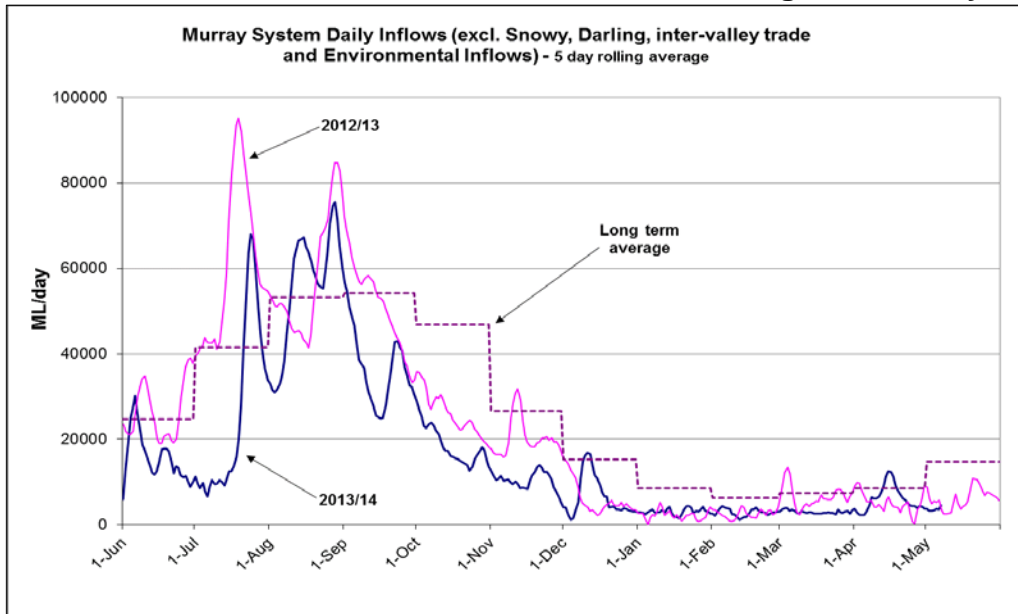
Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.70	5	-	Open
Mundoo	26 openings	0.66	1	-	-
Boundary Creek	6 openings	-	0.1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.69	5	Open	Open

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



Week ending Wednesday 07 May 2014



State Allocations (as at 07 May 2014)

NSW - Murray Valley

High security	100%
General security	100%

Victorian - Murray Valley

High reliability	100%
Low reliability	0%

NSW - Murrumbidgee Valley

High security	95%
General security	63%

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/Water-management/Water-availability/Water-allocations/Water-allocations-summary/water-allocations-summary/default.aspx>

VIC : <http://www.g-mwater.com.au/water-resources/allocations/current.asp>

SA : <http://www.environment.sa.gov.au/managing-natural-resources/river-murray>