



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 12TH JUNE 2013

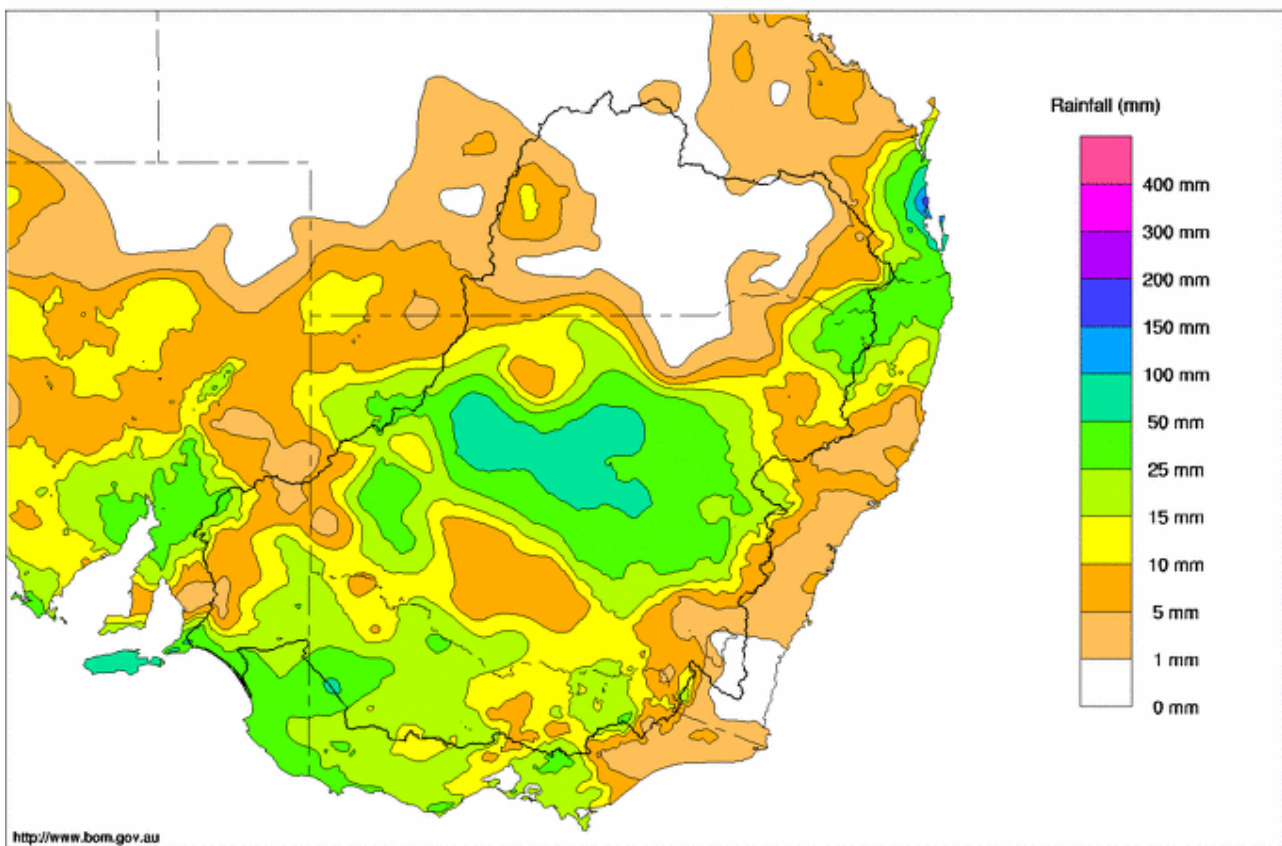
Trim Ref: D13/20649

Rainfall and Inflows

There was further rain across the central and southern Murray-Darling Basin this week as another trough system brought moisture from the north-west. The system delivered worthwhile follow up rain for farmers, although totals were relatively modest for parts of the NSW Riverina. Further north in the Basin, most districts across southern Queensland remained dry (Map 1).

The highest totals in Victoria fell in the west including 68 mm at Nhill and 33 mm at Swan Hill. In the Victorian Alps, there was 34 mm at Mt Buller and at Harris Lane. The highest totals in NSW were in central and western areas including 57 mm at Parkes, 56 mm at Bodabah, 53 mm at Tilpa, 50 mm at Cobar, 43 mm at Forbes and 40 mm at Dubbo. In Queensland, there was 38 mm at Applethorpe and 36 mm at Glenlyon Dam; while on the Lower Lakes in South Australia, Meningie recorded 40 mm.

Murray-Darling Rainfall Totals (mm) Week Ending 12th June 2013
Product of the National Climate Centre



http://www.bom.gov.au
© Commonwealth of Australia 2013, Australian Bureau of Meteorology

Issued: 12/06/2013

Map 1 - Murray-Darling Basin rainfall for the week ending 12 June 2013 (Source: Bureau of Meteorology).

Stream flows in the upper River Murray system tributaries receded this week following the peaks observed last week. On the upper River Murray, the flow at Biggara receded from 1,200 to 900 ML/day. On the Kiewa River, the flow at Bandiana decreased from 3,500 to 1,700 ML/day and on the Ovens River, the flow at Rocky Point decreased from 3,300 to 1,800 ML/day. As of 13 June, rain is continuing over the south-eastern ranges with renewed rises in upper system tributaries possible during the next few days.



River Operations

MDBA active storage increased by 136 GL during the week to 6,341 GL (74% capacity).

At Dartmouth Reservoir inflows receded, with an average of around 2,000 ML/day for the week. The storage volume increased by a further 11 GL to 3,620 GL (94% capacity) and the release, measured at the Colemans gauge, has been steady at around 340 ML/day.

At Hume Reservoir, inflows remained fairly high at an average of 11,500 ML/day with the storage rising by 78 GL to 1,680 GL (56% capacity). The release remained steady at 600 ML/day, while downstream of the Kiewa River junction, the flow at Doctors Point is currently 2,100 ML/day.

At Yarrowonga Weir, the pool level in Lake Mulwala is currently 124.78 m AHD and falling. The release has been maintained at 6,000 ML/day during the last few days, but a slightly higher release may be required if tributary inflows increase over the coming days. Higher releases will be maintained in the coming weeks to assist in managing salinity levels at Mildura Weir whilst it is removed for essential maintenance. The Lake Mulwala pool level may decrease below the normal target level during this period (124.7 m AHD), however the level to which it falls will depend on future rain and tributary inflows. If tributary inflows continue at around their current levels or higher, it is possible the pool level could remain close to the normal target.

On the Edward-Wakool system, combined flow through the Edward River and Gulpa Creek offtakes increased to around 1,400 ML/day. At the Gulpa Creek offtake, the gates have been temporarily reinstalled to maintain the flow at or below 350 ML/day during the coming days to protect works taking place downstream of the structure. At Stevens Weir, the gates are now clear of the water allowing free flow of the river and the flow downstream has increased to around 1,300 ML/day. Downstream at Liewah, the flow in the Edward River has increased to around 1,300 ML/day and is expected to rise slightly in the coming week.

On the Goulburn River, the flow at McCoys Bridge has eased from 770 to 710 ML/day. At Torrumbarry Weir the flow increased to around 5,400 ML/day and is expected to remain steady for the next few days. Inflow from the Murrumbidgee River is currently steady, with a flow of 500 ML/day at Balranald.

Downstream at Euston Weir, the pool will be temporarily lowered from Friday 14 June so essential maintenance work can be done on the navigable pass. The level immediately upstream of the weir will be initially lowered by around 0.8m below the full supply level by Friday 21 June. See the attached media release for more details. The flow downstream of Euston is currently 7,400 ML/day.

At Mildura, the weir remains out of the river as essential maintenance works continue. Salinity levels in the river are remaining fairly steady at around 300 EC, with flows in excess of 7,000 ML/day helping to dilute any additional salt resulting from groundwater inflow. For the most recent forecasts of flow and salinity, please refer to the Flow and Salinity Report at: <http://www.mdba.gov.au/river-data/current-information-forecasts/flow-salinity-report>.

On the Darling River, storage in Menindee Lakes was boosted by local rain and increased by 18 GL to 1,256 GL (73% capacity). The release, measured at Weir 32, remains at the winter minimum of around 200 ML/day; while downstream at Burtundy, the flow has receded to below 1,000 ML/day. Downstream on the Murray, the flow at Wentworth Weir was fairly steady at just over 8,000 ML/day.

At Lake Victoria, storage increased by 29 GL to 459 GL (68% capacity) and the flow into South Australia is steady at around 3,700 ML/day. The flow at Lock 1 is currently around 3,000 ML/day; while at the Lower Lakes, the five-day average water level for Lake Alexandrina is 0.63 m AHD.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Management



Water in Storage

Week ending Wednesday 12 Jun 2013

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	482.33	3 620	94%	71	3 549	+11
Hume Reservoir	192.00	3 005	184.27	1 680	56%	23	1 657	+78
Lake Victoria	27.00	677	25.10	459	68%	100	359	+29
Menindee Lakes		1 731*		1 256	73%	(480 #)	776	+18
Total		9 269		7 015	76%	--	6 341	+136
Total Active MDBA Storage							74% ^	

Major State Storages

Burrinjuck Reservoir	1 026	399	39%	3	396	+2
Blowering Reservoir	1 631	1 051	64%	24	1 027	-1
Eildon Reservoir	3 334	2 315	69%	100	2 215	+9

* 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 11 Jun 2013

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2013
Lake Eucumbene - Total	1 665	+2	Snowy-Murray	+25	188
Snowy-Murray Component	877	-13	Tooma-Tumut	+6	33
Target Storage	1 240		Net Diversion	19	155
			Murray 1 Release	+30	216

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This Week	From 1 July 2012	Victoria	This Week	From 1 July 2012
Murray Irrig. Ltd (Net)	-0.3	1511	Yarrowonga Main Channel (net)	0	392
Wakool Sys Allowance	-1.1	78	Torrumbarry System + Nyah (net)	0	705
Western Murray Irrigation	0.0	29	Sunraysia Pumped Districts	0	125
Licensed Pumps	0.6	269	Licensed pumps - GMW (Nyah+u/s)	0.2	81
Lower Darling	0.0	103	Licensed pumps - LMW	1.5	304
TOTAL	-0.8	1990	TOTAL	1.7	1607

* 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 traded environmental water.

Entitlement this month	90.0 *	
Flow this week	25.9	(3 700 ML/day)
Flow so far this month	44.8	
Flow last month	164.0	

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

	Current	Average over the last week	Average since 1 August 2012
Swan Hill	140	200	110
Euston	150	140	130
Red Cliffs	280	280	150
Merbein	290	300	160
Burtundy (Darling)	530	540	470
Lock 9	200	190	260
Lake Victoria	360	380	280
Berri	470	460	330
Waikerie	520	510	350
Morgan	500	500	350
Mannum	470	460	360
Murray Bridge	500	500	370
Milang (Lake Alex.)	550	560	460
Poltalloch (Lake Alex.)	540	530	380
Meningie (Lake Alb.)	2 980	3 030	3 470
Goolwa Barrages	1 580	1 380	1 630



River Levels and Flows

Week ending Wednesday 12 Jun 2013

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	-	-	-	6 170	F	5 290	9 490
Jingellic	4.0	2.09	208.61	8 080	R	9 130	14 610
Tallandoon (Mitta Mitta River)	4.2	1.50	218.39	690	S	780	1 300
Heywoods	5.5	1.21	154.84	750	R	620	600
Doctors Point	5.5	1.66	150.13	2 110	R	2 370	2 870
Albury	4.3	0.79	148.23	-	-	-	-
Corowa	3.8	0.90	126.92	2 840	F	3 360	2 930
Yarrowonga Weir (d/s)	6.4	1.12	116.16	6 060	S	6 070	4 730
Tocumwal	6.4	1.72	105.56	6 060	S	5 840	4 770
Torrumbarry Weir (d/s)	7.3	1.93	80.48	5 400	R	4 970	4 380
Swan Hill	4.5	1.13	64.05	5 160	R	4 990	4 400
Wakool Junction	8.8	2.85	51.97	6 490	R	6 300	5 800
Euston Weir (d/s)	8.8	1.61	43.45	7 410	R	6 960	5 920
Mildura Weir (d/s)	-	-	-	8 580	F	8 200	7 540
Wentworth Weir (d/s)	7.3	3.11	27.87	8 200	S	8 220	10 340
Rufus Junction	-	2.84	19.77	3 000	R	3 060	3 410
Blanchetown (Lock 1 d/s)	-	0.62	-	3 040	R	2 620	4 320
Tributaries							
Kiewa at Bandiana	2.7	1.78	155.01	1 670	R	1 910	2 230
Ovens at Wangaratta	11.9	8.72	146.40	2 460	S	2 870	3 230
Goulburn at McCoys Bridge	9.0	1.36	92.78	710	F	750	730
Edward at Stevens Weir (d/s)	-	1.48	81.25	1 290	F	1 180	970
Edward at Liewah	-	1.98	57.36	1 300	R	1 230	1 160
Wakool at Stoney Crossing	-	1.51	55.00	610	R	690	870
Murrumbidgee at Balranald	5.0	0.88	56.84	510	R	690	670
Barwon at Mungindi	-	-	-	-	F	230	210
Darling at Bourke	-	4.17	-	640	S	660	760
Darling at Burtundy Rocks	-	0.96	-	840	F	1 050	2 220

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	8 820	19 510
---	-------	--------

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	-0.12	-	No. 7 Rufus River	22.10	+0.04	+0.54
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.00	+0.01
No. 15 Euston	47.60	-0.09	-	No. 5 Renmark	16.30	+0.02	+0.14
No. 11 Mildura	34.40	-	-	No. 4 Bookpurnong	13.20	-0.09	+0.41
No. 10 Wentworth	30.80	+0.00	+0.47	No. 3 Overland Corner	9.80	+0.04	+0.18
No. 9 Kulnine	27.40	+0.17	+0.24	No. 2 Waikerie	6.10	+0.03	+0.13
No. 8 Wangumma	24.60	+0.27	+0.04	No. 1 Blanchetown	3.20	+0.06	-0.13

Lower Lakes FSL = 0.75 m AHD

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

Barrages

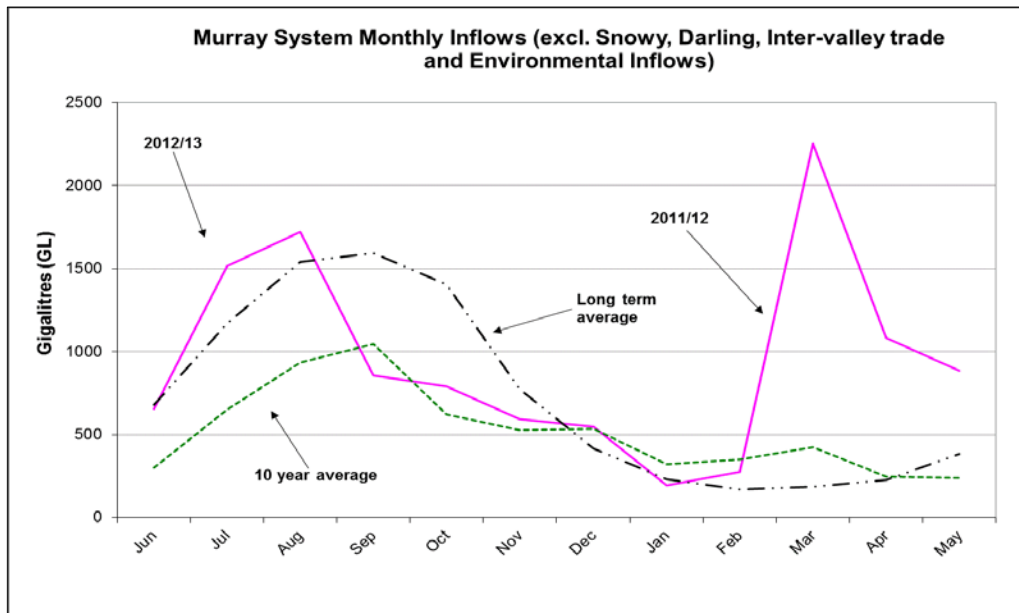
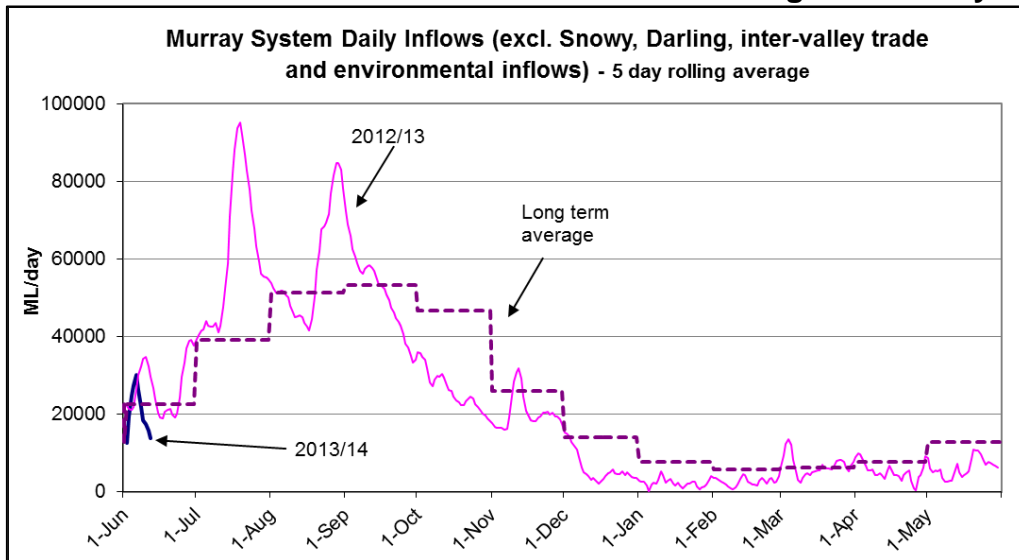
Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.76	All closed	-	Open
Mundoo	26 openings	0.62	All closed	-	-
Boundary Creek	6 openings	-	0.1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.58	17	Open	Open

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



Week ending Wednesday 12 Jun 2013



State Allocations (as at 12 Jun 2013)

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%
---------------	------

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/>

MEDIA RELEASE



12 June 2013

Lowering of Euston Weir pool

Euston Weir will be temporarily lowered from Friday 14 June so essential maintenance work can be done on the navigable pass.

River pumpers, boat operators and other river users are advised to take changing water levels into account.

The level immediately upstream of the weir will be initially lowered by around 0.8m below the full supply level by Friday 21 June.

Over the following weeks, the pool level will vary depending on flows, but is expected to remain within one metre of the full supply level.

The lowering of the weir will not lead to a significant rise in downstream levels.

It is expected the level of the weir will be returned to the normal operating range by the end of July.

The Murray–Darling Basin Authority will continue to issue further advice via its River operations weekly report, which can be found at www.mdba.gov.au/river-data/current-information-forecasts/weekly-report

ENDS

For more information contact the MDBA Media office at media@mdba.gov.au or 02 6279 0141.

Follow the MDBA http://twitter.com/MD_Basin_Auth

Join the discussion on the MDBA blog: <http://freeflow.mdba.gov.au>