



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 10 JULY 2013

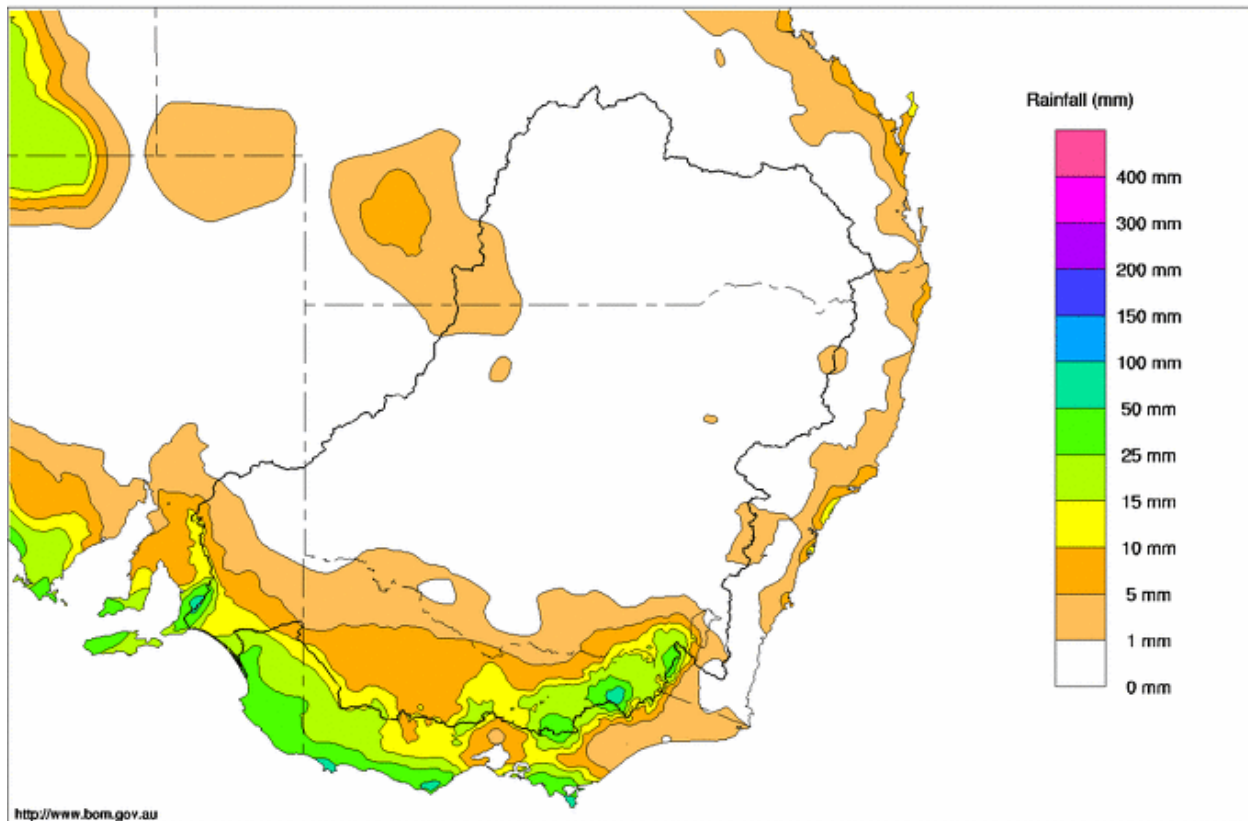
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Rainfall and Inflows

It was a relatively dry week over most of the Murray-Darling Basin this week with the only significant rain falling in the south. This was associated with colder weather as a frontal system and burst of westerly winds brought rain to the southern ranges and snow over alpine areas.

Highest precipitation totals fell over the Victorian Alps, the NSW Snowy Mountains and along South Australia's Mt Lofty Ranges (Map 1). Notable totals in Victoria included 64 mm at Harrietville, 52 mm at Mt Buffalo and 48 mm at Woods Point. In NSW there were totals up to about 50 mm in the Snowy Mountains with similar totals in South Australia including 45 mm at Mt Barker.

Murray-Darling Rainfall Totals (mm) Week Ending 10th July 2013
Product of the National Climate Centre



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Issued: 10/07/2013

Map 1 - Murray-Darling Basin rainfall for the week ending 10 July 2013 (Source: Bureau of Meteorology).

Streamflows across the upper Murray catchments increased slightly during the week before receding again. For example, on the upper Murray, the flow at Biggara peaked at 1,100 ML/day and is now flowing at 1,000 ML/day. On the Ovens River, the flow at Rocky Point peaked at 1,850 ML/day before receding to 1,600 ML/day.



River Operations

MDBA active storage increased by 95 GL this week to 6,771 GL (79% capacity).

At Dartmouth Reservoir, the storage volume increased by 9 GL and is currently 3,651 GL (95% capacity). Release from Dartmouth Reservoir, measured at Colemans, has remained around 340 ML/day throughout the week.

Hume Reservoir's storage volume increased by 56 GL to 1,967 GL (65% capacity). The release has averaged 600 ML/day (the normal minimum). Release from Hume Dam continued to be pulsed using the power station outlet (whilst still targeting the average daily minimum flow) to assist works at the base of the spillway. These works are expected to have progressed to allow releases to return to normal early in the coming week. Downstream of the Kiewa River junction, the flow at Doctors Point has varied, due to the pulsed release, between 1,000 ML/day and 2,400 ML/day.

At Yarrawonga Weir, the release was reduced to 2,300 ML/day during the week and, in response, the level of Lake Mulwala has been slowly rising. The level is currently 124.27 m AHD or 43 cm below the normal operating level, and is expected to continue rising over the coming weeks.

The combined flow through the Edward River and Gulpa Creek offtakes fell to around 420 ML/day this week and is expected to ease further to around 350 ML/day due to the reduced release from Yarrawonga Weir. At Stevens Weir the gates will be returned to the water next week and the release downstream is expected to fall to around 250 ML/day. The weir pool will gradually refill over the coming weeks ready to supply water to Wakool Main Canal in late-July (see attached NSW State Water customer notice).

Goulburn River inflows to the Murray are currently fairly steady at around 600 ML/day; while downstream at Torrumbarry Weir, the flow is now 3,700 ML/day after beginning the week at 4,500 ML/day. The flow is expected to recede below 3,000 ML/day over the coming week.

On the Murrumbidgee River, the flow at Balranald has increased to almost 1,500 ML/day. Downstream on the Murray at Euston Weir, the pool level is almost 80 cm below FSL as work on the navigable pass continues. The work is expected to continue for a few weeks to come. The release from Euston Weir has averaged about 7,800 ML/day this week with some variation in the daily flow resulting from the maintenance work activity.

At Mildura Weir, essential maintenance of the weir's concrete base has been completed. The coffer dam has been removed and reinstallation of the trestles has commenced. The full process of weir reinstatement and refilling the weir pool is expected to be completed by 23 July 2013 (see attached media release).

Menindee Lakes total storage held steady this week with the current volume at 1,253 GL (72% capacity). The release, measured at Weir 32, remains around the minimum and is currently 230 ML/day. Downstream at Burtundy, the lower Darling River continues to slowly recede and is now around 400 ML/day.

Storage at Lake Victoria increased by 30 GL to 574 GL this week (85% capacity) and is expected to continue rising during the coming week. The flow into South Australia is 3,500 ML/day and the flow at Lock 1 is currently around 2,500 ML/day.

The five-day average water level in Lake Alexandrina is relatively steady at 0.61 m AHD. Barrage gates at Goolwa and Mundoo were reopened late in the week after strong winds and swells forced their closure to help reduce reverse flows of seawater into the Lower Lakes.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Management



Water in Storage

Week ending Wednesday 10 Jul 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	482.83	3 651	95%	71	3 580	+9
Hume Reservoir	192.00	3 005	186.19	1 967	65%	23	1 944	+56
Lake Victoria	27.00	677	26.14	574	85%	100	474	+30
Menindee Lakes		1 731*		1 253	72%	(480 #)	773	+0
Total		9 269		7 445	80%	--	6 771	+95
Total Active MDBA Storage							79% ^	

Major State Storages

Burrinjuck Reservoir	1 026	437	43%	3	434	+7
Blowering Reservoir	1 631	1 196	73%	24	1 172	+36
Eildon Reservoir	3 334	2 350	70%	100	2 250	+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 09 Jul 2013

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2013
Lake Eucumbene - Total	1 482	-58	Snowy-Murray	+31	331
Snowy-Murray Component	590	-27	Tooma-Tumut	+2	59
Target Storage	1 170		Net Diversion	29	272
			Murray 1 Release	+38	381

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)	0.0	0	Yarrowonga Main Channel (net)	0	0
Wakool Sys Allowance	-0.1	0	Torrumbarry System + Nyah (net)	0.9	1
Western Murray Irrigation	0.1	0	Sunraysia Pumped Districts	0	0
Licensed Pumps	0.3	1	Licensed pumps - GMW (Nyah+u/s)	0	0
Lower Darling	0.0	0	Licensed pumps - LMW	0.9	1
TOTAL	0.3	1	TOTAL	1.8	2

* 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	108.5	
Flow this week	24.5	(3 500 ML/day)
Flow so far this month	35.2	
Flow last month	117.0	

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

	Current	Average over the last week	Average since 1 August 2012
Swan Hill	140	100	110
Euston	120	130	130
Red Cliffs	240	260	160
Merbein	270	280	170
Burtundy (Darling)	-	-	460
Lock 9	240	250	260
Lake Victoria	350	350	280
Berri	530	540	350
Waikerie	590	590	360
Morgan	580	550	370
Mannum	520	520	370
Murray Bridge	540	530	380
Milang (Lake Alex.)	570	560	470
Poltalloch (Lake Alex.)	570	570	400
Meningie (Lake Alb.)	2 950	2 970	3 440
Goolwa Barrages	840	810	1 570



River Levels and Flows

Week ending Wednesday 10 Jul 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	-	-	-	8 910	R	6 030	5 850
Jingellic	4.0	2.34	208.86	10 410	R	8 080	8 630
Tallandoon (Mitta Mitta River)	4.2	1.47	218.36	610	F	630	600
Heywoods	5.5	0.92	154.55	600	S	600	600
Doctors Point	5.5	1.55	150.02	1 590	R	1 400	1 420
Albury	4.3	0.73	148.17	-	-	-	-
Corowa	3.8	0.64	126.66	1 840	R	1 740	1 870
Yarrowonga Weir (d/s)	6.4	0.45	115.49	2 320	S	2 780	4 880
Tocumwal	6.4	1.05	104.89	2 680	F	3 680	5 200
Torrumbarry Weir (d/s)	7.3	1.42	79.96	3 660	F	4 230	5 010
Swan Hill	4.5	0.97	63.89	4 190	F	4 450	5 060
Wakool Junction	8.8	2.68	51.80	5 880	F	6 230	6 670
Euston Weir (d/s)	8.8	1.66	43.50	7 700	F	7 840	7 700
Mildura Weir (d/s)	-	-	-	-	F	-	-
Wentworth Weir (d/s)	7.3	3.12	27.88	8 210	R	8 340	8 470
Rufus Junction	-	2.80	19.73	2 830	F	2 900	3 330
Blanchetown (Lock 1 d/s)	-	0.52	-	2 490	F	2 530	3 600
Tributaries							
Kiewa at Bandiana	2.7	1.48	154.71	1 180	R	900	890
Ovens at Wangaratta	11.9	8.49	146.17	1 800	R	1 430	1 380
Goulburn at McCoys Bridge	9.0	1.29	92.71	610	R	600	620
Edward at Stevens Weir (d/s)	-	1.26	81.04	1 030	F	1 150	1 380
Edward at Liewah	-	2.27	57.65	1 640	F	1 690	1 850
Wakool at Stoney Crossing	-	1.31	54.80	250	S	250	260
Murrumbidgee at Balranald	5.0	1.93	57.89	1 470	R	1 340	1 010
Barwon at Mungindi	-	3.56	-	960	R	750	780
Darling at Bourke	-	4.16	-	590	R	550	590
Darling at Burtundy Rocks	-	-	-	410	S	420	470

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	5 470	5 960
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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	-0.63	-	No. 7 Rufus River	22.10	+0.03	+0.51
No. 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	-0.02	-0.04
No. 15 Euston	47.60	-0.76	-	No. 5 Renmark	16.30	-0.01	+0.03
No. 11 Mildura	34.40	-	+0.25	No. 4 Bookpurnong	13.20	-0.04	+0.32
No. 10 Wentworth	30.80	+0.08	+0.48	No. 3 Overland Corner	9.80	+0.01	+0.15
No. 9 Kulnine	27.40	+0.16	+0.18	No. 2 Waikerie	6.10	+0.02	+0.11
No. 8 Wangumma	24.60	+0.22	+0.03	No. 1 Blanchetown	3.20	+0.04	-0.23

Lower Lakes FSL = 0.75 m AHD

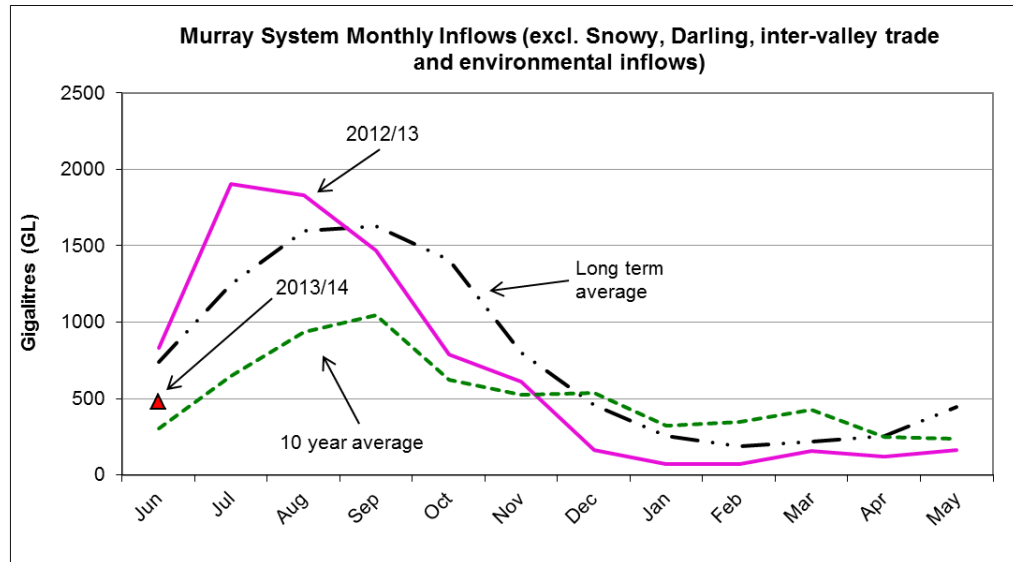
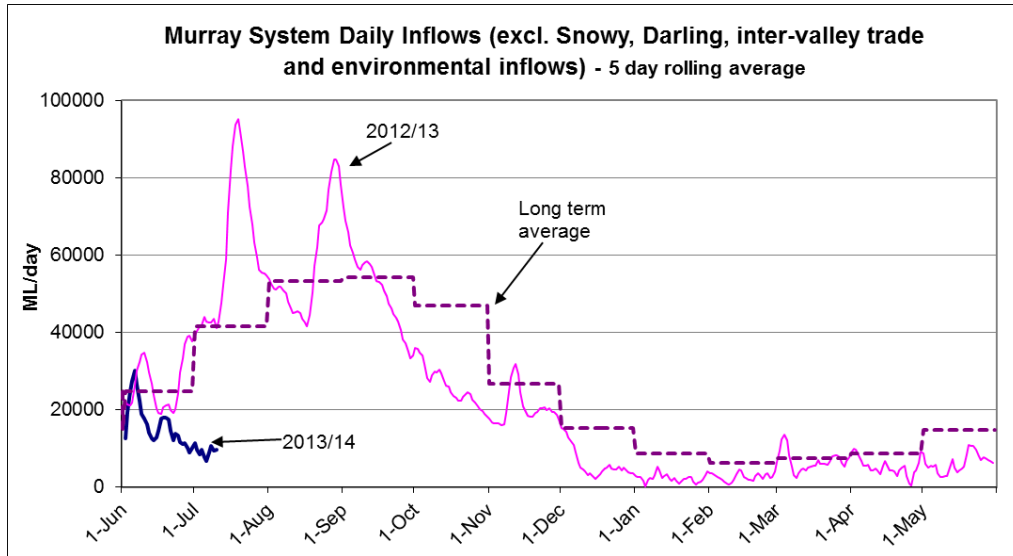
Lake Alexandrina average level for the past 5 days (m AHD)	0.61
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Barrages

Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.66	4	-	Open
Mundoo	26 openings	0.64	1	-	-
Boundary Creek	6 openings	-	0.1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.68	2	Open	Open

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



State Allocations (as at 10 Jul 2013)

NSW - Murray Valley

High security	97%
General security	38%

Victorian - Murray Valley

High reliability	42%
Low reliability	0%

NSW - Murrumbidgee Valley

High security	95%
General security	18%

Victorian - Goulburn Valley

High reliability	51%
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.nvrn.net.au/allocations/current.aspx>
 SA : <http://www.environment.sa.gov.au/managing-natural-resources/river-murray>



Customer Notice

REFILLING OF STEVENS WEIR POOL

11 July 2013

Refilling of Stevens Weir pool on the Edward River commenced today, Thursday 11 July 2013 in preparation for the commencement of diversion to Murray Irrigation's Wakool Canal, and the Wakool River system.

Initial filling of the pool will be slow, and the level upstream of Stevens Weir will not exceed 3.0 m prior to 19 July. After this time, the pool will be raised more quickly, up to 300mm/day.

State Water advises river users within the influence of the Stevens weir pool, and within the Edward – Wakool River system, to be aware of changing river levels during the coming weeks.

The Edward River height upstream of Stevens weir is currently 1.3 m and is expected to be approximately 4.4-4.6m when filling of the weir pool is complete.

Customers requiring further information on river flows may contact the State Water Helpdesk on 1300 622 077.

Authorised by:

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Southern Valleys

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MEDIA RELEASE



5 July 2013

Mildura Weir to resume operations

Repairs on the Mildura Weir are nearly complete and work will begin next week to start reassembling it.

MDBA spokesman David Dreverman said the maintenance work by Goulburn-Murray Water had gone very well and would be completed slightly ahead of schedule.

"The work on the weir's concrete base was initially expected to take at least eight weeks however, given the success of the repair work, we can finish two to three weeks earlier," Mr Dreverman said.

"We also successfully used additional flows from upstream to keep salinity levels in the Sunraysia area below 350 EC units.

"We'd like to thank community members and boat users for their patience and understanding during this period while the essential works were completed."

Mr Dreverman said work on reassembling the weir, including reinstating the trestles would begin on Thursday 11 July, and water level would be back to normal by Tuesday 23 July.

Boat operators will have limited access to lock 11 from Friday 19. They are advised to contact the senior reservoir officer in advance on (03) 5023 1396 to check availability and to arrange a suitable time.

Forecasts of river flows and salinities continue to be available on the MDBA's website at www.mdba.gov.au/river-data/current-information-forecasts

ENDS

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

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