



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 12 OCTOBER 2011

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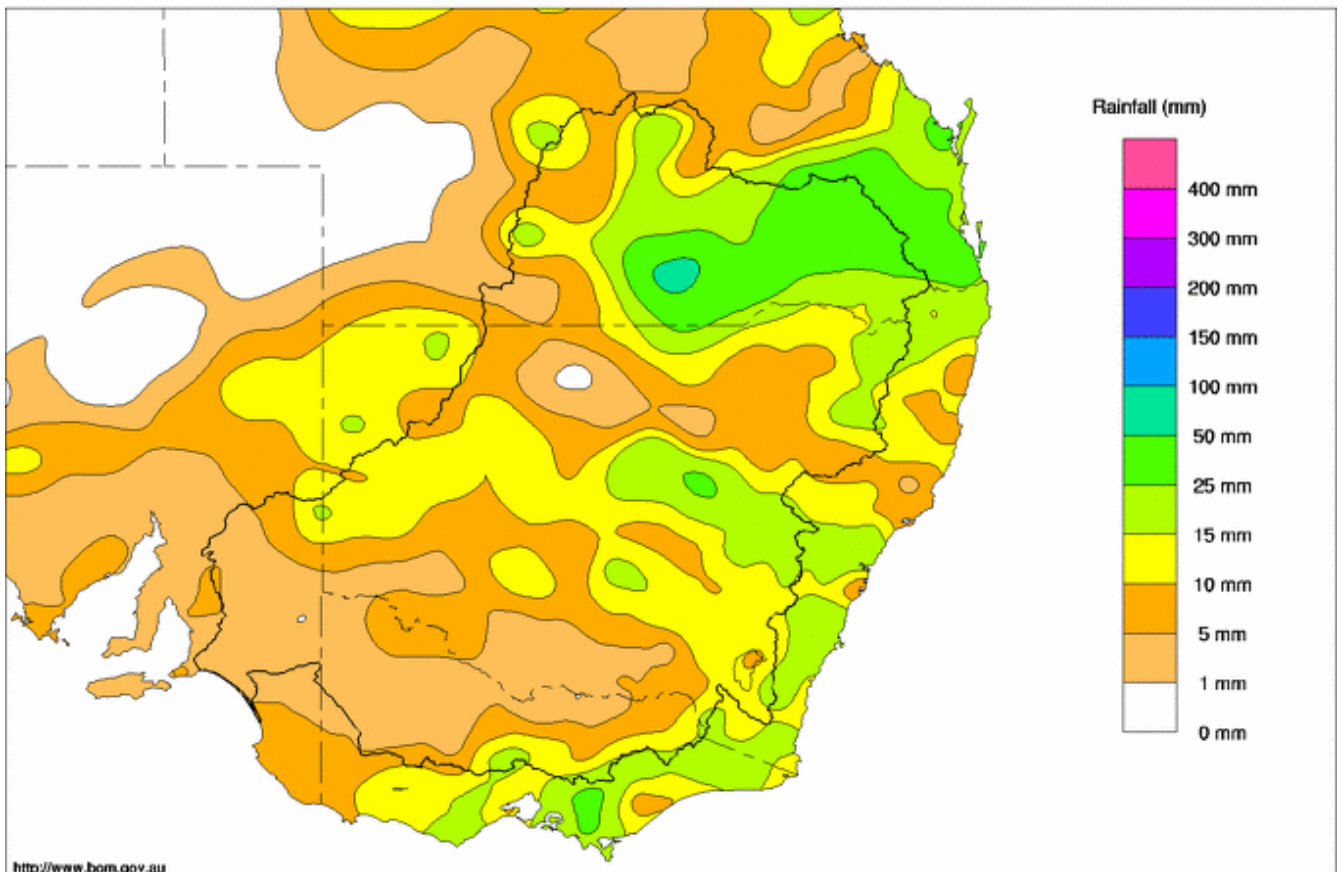
Rainfall and Inflows

There was generally much less rainfall this week across the Murray-Darling Basin compared with last week, although there was at least some rain recorded in most regions. A broad trough moved slowly across the Basin as the week progressed with a weak cold front affecting the south over the last few days. These systems brought showers and some thunderstorm activity with areas of higher precipitation across southern Queensland, the NSW central western plains, slopes and ranges, as well as the Australian Alps and central Victorian ranges (Map 1).

The highest rainfall totals occurred in central southern Queensland including 70 mm at Bollon and 63 mm at Rosehill. In the Moonie catchment, there was 41 mm at Nindigully, while further east in the upper Condamine catchment, there was 49 mm at Toowoomba and 48 mm at Dalby. In NSW, 37 mm fell at Narromine and 32 mm at Nyngan, and there were totals over 20 mm around Glen Innes in the north and across the Snowy Mountains in the south. Notable totals in Victoria included 21 mm at Woods Point, 19 mm at Mt Hotham and 17 mm at Lake Eppalock.

Stream flows in the upper Murray catchments have generally receded further during the week, as high flows from rainfall during the previous week moved further downstream into the mid Murray reaches. In the upper Murray catchment, the Tooma River at Pinegrove has receded from 2,100 to 1,400 ML/day; while at Jingellic, the River Murray flow fell from 13,000 to 9,200 ML/day. On the Ovens River, the flow at Rocky Point began the week at 3,300 ML/day, and is now at 2,500 ML/day.

Murray Darling Rainfall Analysis (mm) Week Ending 12th October 2011
Product of the National Climate Centre



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Issued: 12/10/2011



River Operations

MDBA active storage decreased by 8 GL during the week to 7,566 GL (88% capacity). At Dartmouth Reservoir, the total storage increased by 15 GL to 2,818 GL (73% capacity) and the release remained at the normal minimum of 200 ML/day.

At Hume Reservoir, the total storage decreased by 21 GL to 2,955 GL (98% capacity). The release was decreased throughout the week as inflow dropped away, and is currently at around 9,000 ML/day. It is expected that downstream demands will require the release to be increased over the coming days, which will continue the fall in Hume storage levels.

At Yarrawonga Weir, the release has decreased steadily over the past week from a peak of 28,000 ML/day to the current release of 15,800 ML/day (on Thursday 13 October). Downstream at Barmah, high flows are continuing and all regulators in the Barmah-Millewa Forest upstream of the Edward Offtake remain open.

In the Edward-Wakool system, the peak flow at Stevens Weir is expected in the coming days at around 6,000 ML/day. Further downstream, flows in most locations will begin to increase over the coming weeks as the higher flows from upstream arrive.

On the Goulburn River at McCoys Bridge, flow decreased from last week's peak of 10,400 ML/day to a low of 3,200 ML/day but has temporarily increased again to 4,400 ML/day. Goulburn-Murray Water indicated this week that, with Lake Eildon approaching full supply and high water levels in Waranga Basin, a flow at McCoys in excess of 2,000 ML/day is anticipated in the coming week.

Downstream on the River Murray at Torrumbarry Weir, the flow peaked during the week at 17,200 ML/day and has now receded to 14,800 ML/day. The flow is expected to remain at about 15,000 ML/day over the coming week.

Downstream at Euston Weir, the flow has increased steadily during the past week and is currently 19,800 ML/day. Further rises to about 21,000 ML/day are expected over the coming days.

On the Darling River at Menindee Lakes, the total storage has remained almost steady during the week and is currently 1,897 GL (110% capacity). The release, measured at Weir 32, continues to be pulsed around an average of 500 ML/day to create variability in flows downstream of the lakes.

At Lake Victoria, the storage also remained relatively steady during the week and is currently 570 GL (84% capacity). The storage is expected to be raised towards full supply level over the coming month, if conditions remain dry, in time to supply summer demands in South Australia. The flow to South Australia averaged around 16,700 ML/day this week, down from 25,700 ML/day last week.

At the Lower Lakes, the current five day average water level is 0.78 m AHD.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray

Water in Storage

Week ending Wednesday 12 Oct 2011

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	468.64	2 818	73%	71	2 747	+15
Hume Reservoir	192.00	3 005	191.75	2 955	98%	23	2 932	-21
Lake Victoria	27.00	677	26.10	570	84%	100	470	-3
Menindee Lakes		1 731*		1 897	110%	(480 #)	1 417	+1
Total		9 269		8 240	89%	--	7 566	-8
Total Active MDBA Storage							88% ^	

Major State Storages

Burrinjuck Reservoir	1 026	1 025	100%	3	1 022	+4
Blowering Reservoir	1 631	1 543	95%	24	1 519	+24
Eildon Reservoir	3 334	3 308	99%	100	3 208	+24

* 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 Oct 2011

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2011
Lake Eucumbene - Total	1775	n/a	Snowy-Murray	-0	274
Snowy-Murray Component	555	n/a	Tooma-Tumut	+10	173
Target Storage	1400		Net Diversion	-10	101
			Murray 1 Release	+17	478

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)	31.1	213	Yarrowonga Main Channel (net)	1.7	47
Wakool Sys Allowance	-1.8	-2	Torrumbarry System + Nyah (net)	0	112
Western Murray Irrigation	0.3	3	Sunraysia Pumped Districts	1	12
Licensed Pumps	3.0	37	Licensed pumps - GMW (Nyah+u/s)	1.4	6
Lower Darling	1.7	14	Licensed pumps - LMW	6.2	38
TOTAL	34.3	265	TOTAL	10.3	215

* 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 October due to Additional Dilution Flow and Unregulated Flows.

Entitlement this month	170.0 *	
Flow this week	117.2	(16 700 ML/day)
Flow so far this month	234.2	
Flow last month	910.4	

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

	Current	Average over the last week	Average since 1 August 2011
Swan Hill	160	210	150
Euston	130	140	130
Red Cliffs	-	130	110
Merbein	130	120	100
Burtundy (Darling)	360	360	350
Lock 9	130	130	120
Lake Victoria	200	190	200
Berri	250	230	190
Waikerie	-	-	-
Morgan	300	260	220
Mannum	200	200	220
Murray Bridge	180	180	210
Milang (Lake Alex.)	530	520	550
Poltalloch (Lake Alex.)	240	230	270
Meningie (Lake Alb.)	5 380	5 530	5 580
Goolwa Barrages	440	440	1 740

River Levels and Flows

Week ending Wednesday 12 Oct 2011

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	-	-	-	3 930	F	4 030	5 450
Jingellic	4.0	2.24	208.76	9 170	F	10 090	20 380
Tallandoon (Mitta Mitta River)	4.2	1.65	218.54	1 080	F	1 150	1 510
Heywoods	5.5	2.53	156.16	10 560	F	15 320	19 190
Doctors Point	5.5	2.80	151.27	12 110	F	16 710	21 860
Albury	4.3	1.79	149.23	-	-	-	-
Corowa	3.8	3.32	129.34	15 590	F	20 900	17 850
Yarrawonga Weir (d/s)	6.4	2.64	117.68	18 120	F	24 290	21 020
Tocumwal	6.4	3.70	107.54	22 800	F	26 030	18 210
Torrumbarry Weir (d/s)	7.3	4.41	82.96	14 800	F	16 020	10 860
Swan Hill	4.5	2.90	65.82	17 200	R	14 910	9 710
Wakool Junction	8.8	5.17	54.29	19 840	R	17 760	16 110
Euston Weir (d/s)	8.8	3.24	45.08	19 810	R	17 510	17 830
Mildura Weir (d/s)	-	-	-	15 410	F	15 080	-
Wentworth Weir (d/s)	7.3	3.70	28.46	15 500	R	15 340	21 690
Rufus Junction	-	4.70	21.63	14 880	R	15 550	24 660
Blanchetown (Lock 1 d/s)	-	1.22	-	32 400	R	31 400	-
Tributaries							
Kiewa at Bandiana	2.7	2.09	155.32	2 260	S	2 320	3 100
Ovens at Wangaratta	11.9	9.14	146.82	3 740	F	4 440	6 650
Goulburn at McCoys Bridge	9.0	3.24	94.66	4 380	R	6 080	3 590
Edward at Stevens Weir (d/s)	-	3.47	83.24	5 040	F	3 380	1 760
Edward at Liewah	-	2.52	57.90	1 940	R	1 960	2 570
Wakool at Stoney Crossing	-	1.72	55.21	1 090	R	1 160	2 110
Murrumbidgee at Balranald	5.0	3.04	59.00	2 980	R	2 880	2 480
Barwon at Mungindi	-	3.54	-	1 010	R	790	590
Darling at Bourke	-	4.27	-	1 210	S	1 250	1 200
Darling at Burtundy Rocks	-	0.91	-	650	F	500	450

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	12 360	30 700
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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	-0.09	-	No. 7 Rufus River	22.10	+0.42	+2.38
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.03	+0.80
No. 15 Euston	47.60	-0.10	-	No. 5 Renmark	16.30	-0.01	+0.76
No. 11 Mildura	34.40	+0.03	+0.78	No. 4 Bookpurnong	13.20	+0.02	+1.68
No. 10 Wentworth	30.80	+0.00	+1.06	No. 3 Overland Corner	9.80	+0.05	+0.97
No. 9 Kulnine	27.40	+0.05	+0.47	No. 2 Waikerie	6.10	+0.15	+0.97
No. 8 Wangumma	24.60	+0.09	+0.97	No. 1 Blanchetown	3.20	+0.04	+0.47

Lower Lakes FSL = 0.75 m AHD

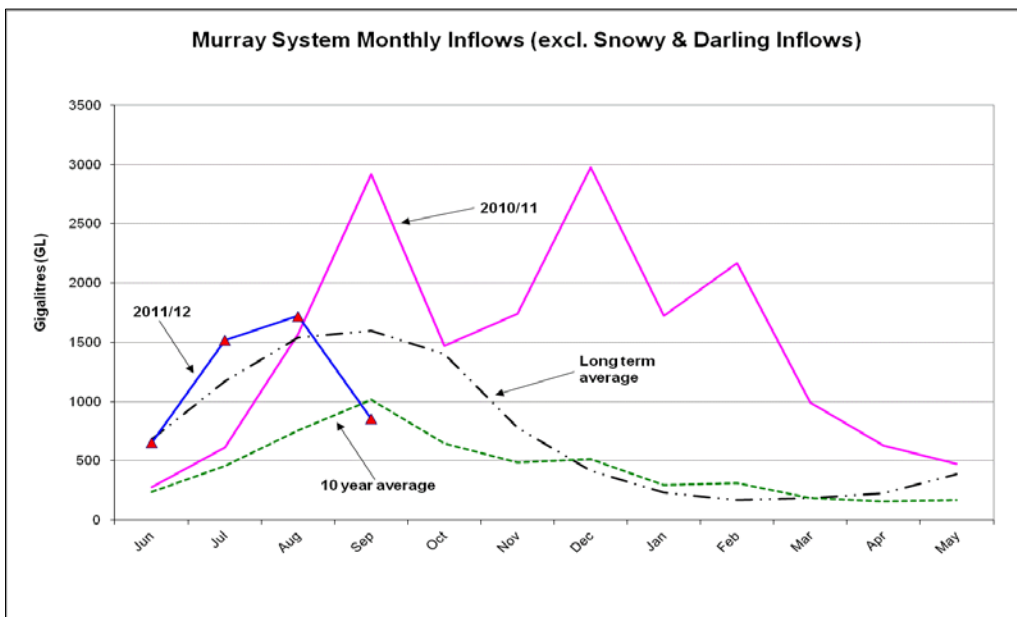
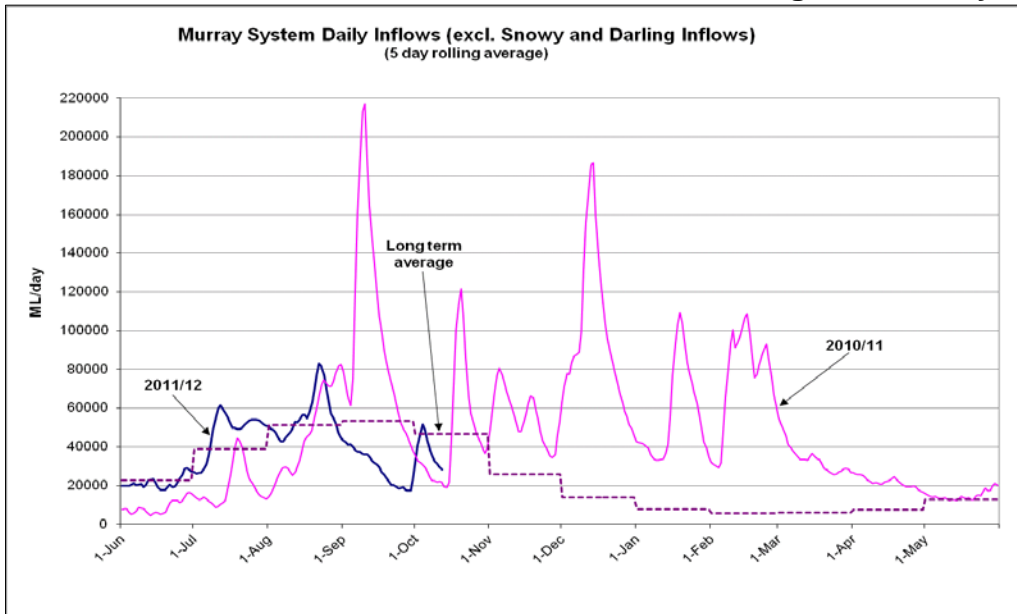
Lake Alexandrina average level for the past 5 days (m AHD)	0.78
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Barrages

Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.78	10	-	Open
Mundoo	26 openings	0.74	6	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	6	-	-
Tauwichee	322 gates	0.81	20	Open	Open

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



State Allocations (as at 12 Oct 2011)

NSW - Murray Valley

High security	97%
General security	21%

Victorian - Murray Valley

High reliability	71%
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/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/>