



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 16 JUNE 2010

Trim Ref: D10/15999

Rainfall and Inflows

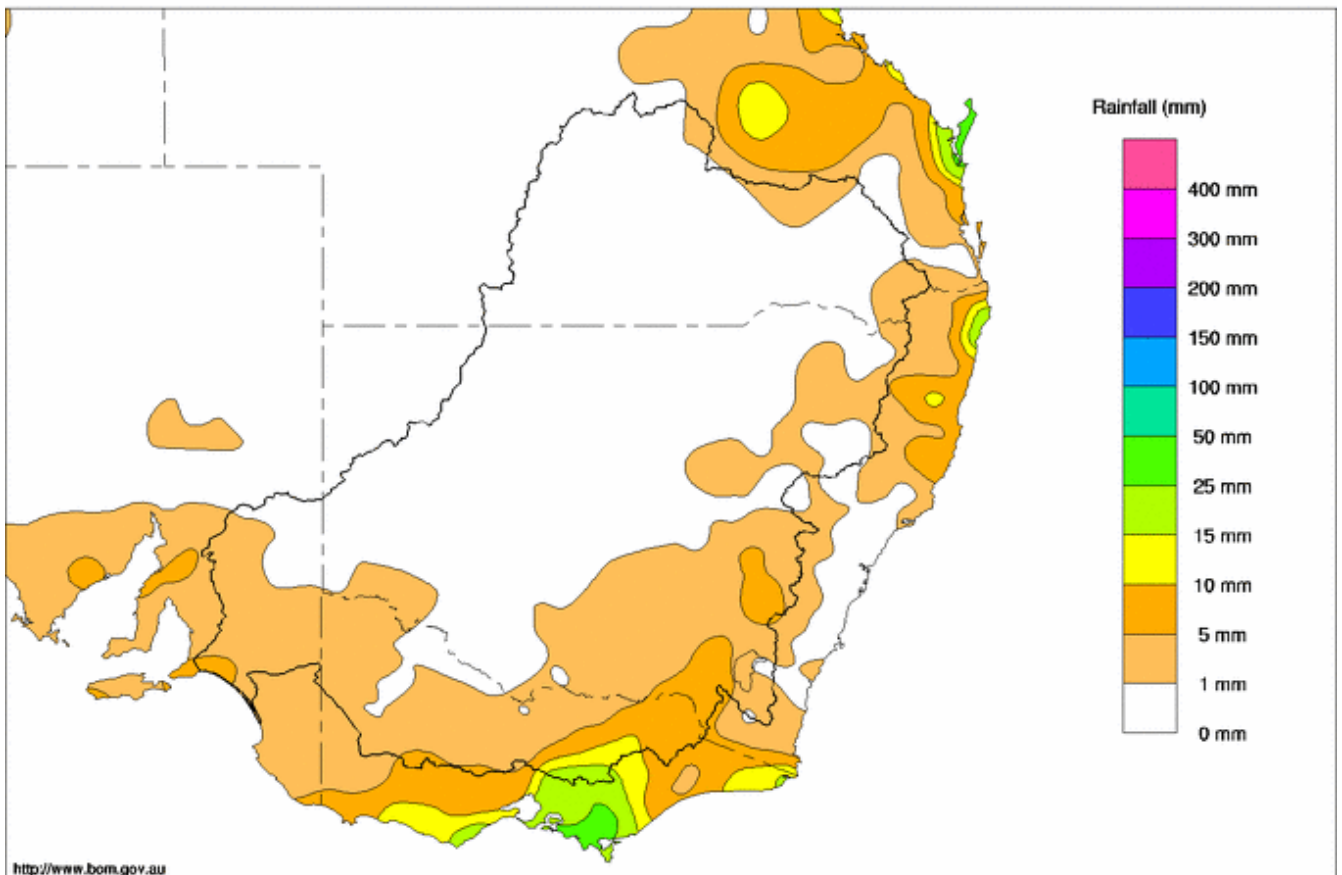
There was little rainfall in the Murray-Darling Basin during last week, with the highest falls along the Great Dividing Range in Victoria. Sites with rainfall totals greater than 15 mm included Marysville (24 mm), Mount Buller (23 mm) and the Ovens River at Eurobin (17 mm).

Murray System inflows (excluding Menindee Lakes) during the week averaged 5.1 GL/day, down from 7.2 GL/day the previous week. Flows declined in some of the upper Murray tributaries, including the Mitta Mitta River at Hinnomunjie (550 to 440 ML/day). However, with the rainfall, flows in other rivers had a small net rise. For example, the Kiewa River at Mongans Bridge rose during the week from 610 to 1,020 ML/day.

The Darling River at Wilcannia continues to flow well (currently 3,050 ML/day), however, this flow is declining slowly by about 110 ML/day. Most of the flow at Wilcannia is due to inflows from the Paroo River as the Darling River upstream at Tilpa is flowing at just 350 ML/day. These flows are the remnants from the floods in Queensland in early March.

Murray Darling Rainfall Analysis (mm) Week Ending 16th June 2010

Product of the National Climate Centre



<http://www.bom.gov.au>

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River Operations

MDBA active storage (including Menindee Lakes) is currently 3,149 GL (36% capacity). This volume is 55 GL more than last week and about 2,000 GL more than this time last year.

The storage at Dartmouth Reservoir has been steadily rising since March. This week, the storage increased by 2 GL to 1,251 GL (32% capacity) and releases have continued at the normal winter minimum of 200 ML/day. The storage in Hume Reservoir has also been steadily rising—this week by 35 GL to 719 GL (24% capacity), which is mainly due to Snowy Hydro releases. The flow downstream at Doctors Point averaged 1,220 ML/day.

Inflows to Lake Mulwala declined during the week and, as a result, releases from Yarrawonga Weir have reduced from 2,500 to 2,280 ML/day. The water level has been steady at about 124.72 m AHD (0.18 m below FSL). Most of the other weirs along the River Murray are close to Full Supply Level. The exceptions are Weir 8 at Wangumma, which is 0.19 m below FSL to assist with construction of environmental works at Mulcra Island, and Weir 7 at Rufus River, which is 0.12 m above FSL to assist with delivery of environmental water to Lake Walla Walla. The flow downstream of Euston Weir is 3,960 ML/day and at Mildura Weir is 3,850 ML/day.

Menindee Lakes' storage increased by 22 GL to 1,494 GL (86% capacity), mainly due to the inflows to the Darling from the Paroo River. The release from Menindee Lakes is at the normal winter minimum of 200 ML/day.

Lake Victoria is currently holding 375 GL (55% capacity), and this volume is declining slowly as the storage is being used to supplement the flow to South Australia. The target flow to South Australia for June is 4,320 ML/day.

At the Lower Lakes, the water level in Lake Alexandrina continues to rise slowly and is currently -0.24 m AHD. Lake Albert's water level was constant at about -0.41 m AHD.

For media inquiries contact: Sam Leone on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray



Week ending Wednesday 16 Jun 2010

Water in Storage

MDBA Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage		Dead Storage (GL)	MDBA Active Storage (GL)	Change in Total Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	431.71	1 251	32%	80	1 171	+2
Hume Reservoir	192.00	3 038	175.83	719	24%	30	689	+35
Lake Victoria	27.00	677	24.31	375	55%	100	275	-3
Menindee Lakes		1 731 *		1 494	86%	(480 #)	1 014	+22
Total		9 352		3 839	41%	--	3 149	+55

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **36%**

NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBA when storage next reaches 640 GL

** All Data is rounded to nearest GL **

Major State Storages

Burrinjuck Reservoir	1 026	400	39%	3	397	+5
Blowering Reservoir	1 631	632	39%	24	608	+7
Eildon Reservoir	3 334	839	25%	100	739	+8

Snowy Mountains Scheme

Snowy diversions for week ending 15-Jun-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	537	-20	Snowy-Murray	+22	176
Snowy-Murray Component	410	-12	Tooma-Tumut	+3	21
Target Storage	1 240		Nett Diversion	19.3	155
			Murray 1 Release	+24	185

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This week	From 1 July 2009	Victoria	This week	From 1 July 2009
Murray Irrig. Ltd (Net)	5.0	256	Yarrowonga Main Channel (net)	3.0	154
Wakool Sys Allowance	-0.6	62	Torrumbarry System + Nyah (net)	0.2	329
Western Murray Irrig.	0.0	24	Sunraysia Pumped Districts	0.0	126
Licensed Pumps	0.9	112	Licensed pumps - GMW (Nyah+u/s)	0.9	30
Lower Darling	0.6	8	Licensed pumps - LMW	0.6	254
TOTAL	5.9	462	TOTAL	4.7	893

* 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 is rounded to nearest 100 ML for the above**

Flow to South Australia (GL)

Entitlement this month	90 *	
Flow this week	29.6	(4 200 ML/day)
Flow so far this month	68	
Flow last month	172	

* Flow to SA in June includes underdelivered entitlement flow from previous months

Salinity (EC) (microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2009
Swan Hill	120	90	60
Euston	100	90	90
Red Cliffs	100	100	110
Merbein	80	90	110
Burtundy (Darling)	240	230	410
Lock 9	160	170	150
Lake Victoria	190	200	200
Berri	250	250	290
Waikerie	-	-	350
Morgan	310	300	430
Mannum	300	300	500
Murray Bridge	300	300	670
Milang (Lake Alex)	4 920	4 780	5 510
Poltalloch (Lake Alex)	1 740	1 450	4 080
Meningie (Lake Alb.)	14 870	14 530	13 200
Goolwa Barrages	21 060	21 850	15 670

Week ending Wednesday 16 Jun 2010

River Levels and Flows

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	-	-	-	4 330	R	4 000	5 810
Jingellic	4.0	1.71	208.23	4 820	R	4 930	7 160
Tallandoon (Mitta Mitta River)	4.2	1.35	218.24	410	R	410	400
Heywoods	5.5	1.28	154.91	700	S	630	600
Doctors Point	5.5	1.46	149.93	1 210	R	1 220	1 630
Albury	4.3	0.66	148.10	-	-	-	-
Corowa	7.0	0.42	126.44	1 250	F	1 400	1 570
Yarrowonga Weir (d/s)	6.4	0.44	115.48	2 280	S	2 360	2 950
Tocumwal	6.4	0.91	104.75	2 610	S	2 760	3 480
Torrumbarry Weir (d/s)	7.3	1.10	79.65	2 700	R	2 900	3 320
Swan Hill	4.5	0.74	63.66	2 990	F	3 230	3 240
Wakool Junction	8.8	1.83	50.95	3 750	R	3 720	3 880
Euston Weir (d/s)	8.8	0.90	42.74	3 960	F	4 180	4 310
Mildura Weir (d/s)	-	-	-	3 850	F	3 890	4 080
Wentworth Weir (d/s)	7.3	2.87	27.63	3 890	S	3 890	4 210
Rufus Junction	-	2.95	19.88	3 470	F	3 580	3 640
Blanchetown (Lock 1 d/s)	-	-0.16	-	3 450	S	3 400	3 460
Tributaries							
Kiewa at Bandiana	2.7	1.11	154.34	710	R	810	1 220
Ovens at Wangaratta	11.9	8.07	145.75	1 040	S	1 090	1 270
Goulburn at McCoys Bridge	9.0	1.14	92.56	410	S	440	430
Edward at Stevens Weir (d/s)	-	0.60	80.38	340	F	430	480
Edward at Liewah	-	1.04	56.42	520	R	500	600
Wakool at Stoney Crossing	-	1.22	54.71	130	F	160	170
Murrumbidgee at Balranald	5.0	0.47	56.43	220	F	230	220
Barwon at Mungindi	-	3.09	-	0	F	0	0
Darling at Bourke	-	4.03	-	130	S	140	260
Darling at Burtundy Rocks	-	0.83	-	350	F	420	520

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	2 420	3 930
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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	-0.18	-	No. 7 Rufus River	22.10	+0.12	+0.69
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.01	-0.01
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.02	+0.12
No. 11 Mildura	34.40	+0.02	+0.04	No. 4 Bookpurnong	13.20	+0.01	+0.49
No. 10 Wentworth	30.80	+0.00	+0.23	No.3 Overland Corner	9.80	+0.02	+0.21
No. 9 Kulline	27.40	+0.01	-0.16	No. 2 Waikerie	6.10	+0.04	+0.13
No. 8 Wangumma	24.60	-0.19	+0.56	No 1. Blanchetown	3.20	+0.00	-0.91

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.10	1.02	70.37	809
No. 5 Redbank	66.90	+0.10	0.027	61.327	174

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.24

Barrages

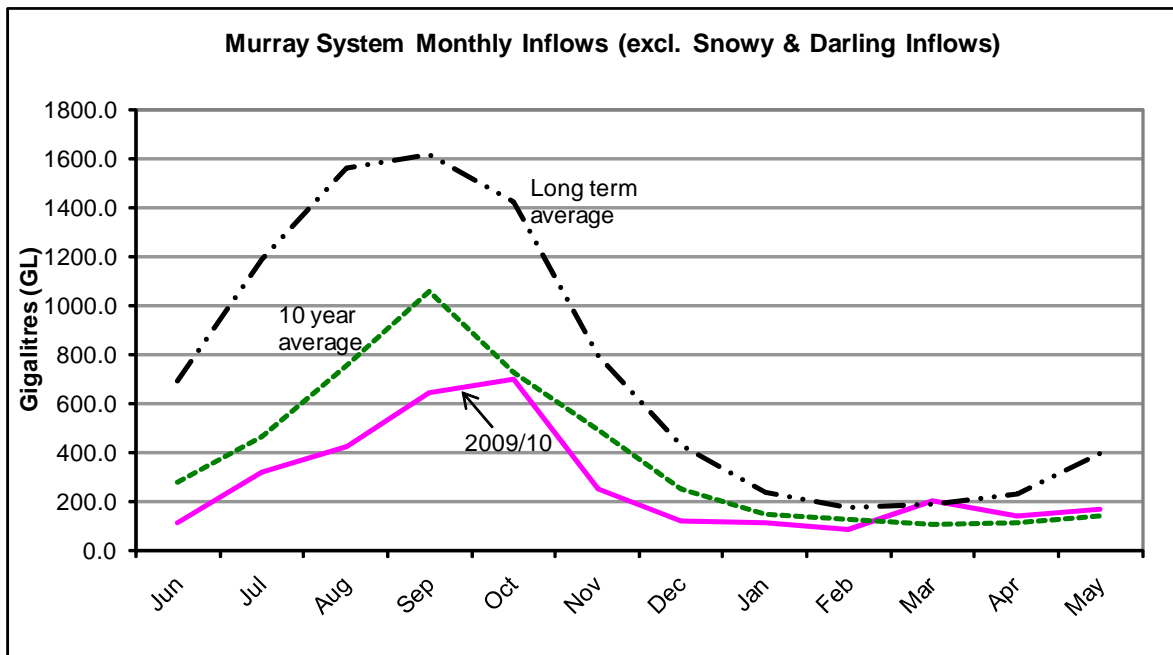
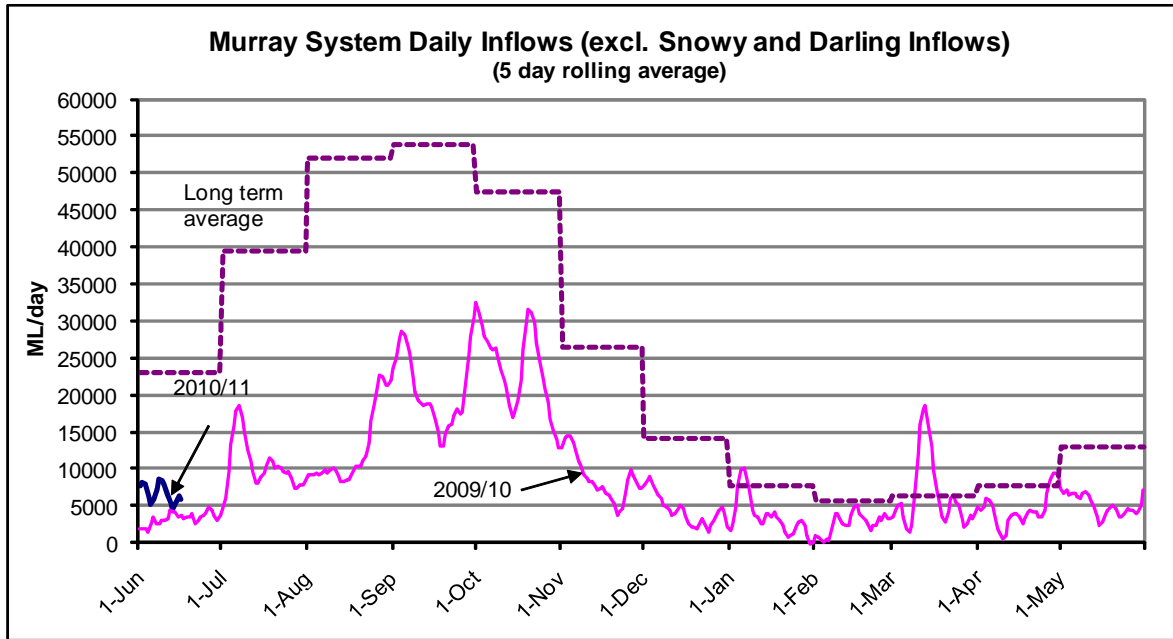
Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.00	All closed	-	Closed
Mundoo	26 openings	-	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	-	All closed	Closed	Closed

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



Week ending Wednesday 16 June 2010



State Allocations (as at 16 June 2010)

NSW - Murray Valley

High security	97%
General security	27%

Victoria - Murray Valley

High reliability	100%
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NSW - Murrumbidgee Valley

High security	95%
General security	27%

Victoria - Goulburn Valley

High reliability	71%
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NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	62%
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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.dwbc.sa.gov.au/media.html>