



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 23 JUNE 2010

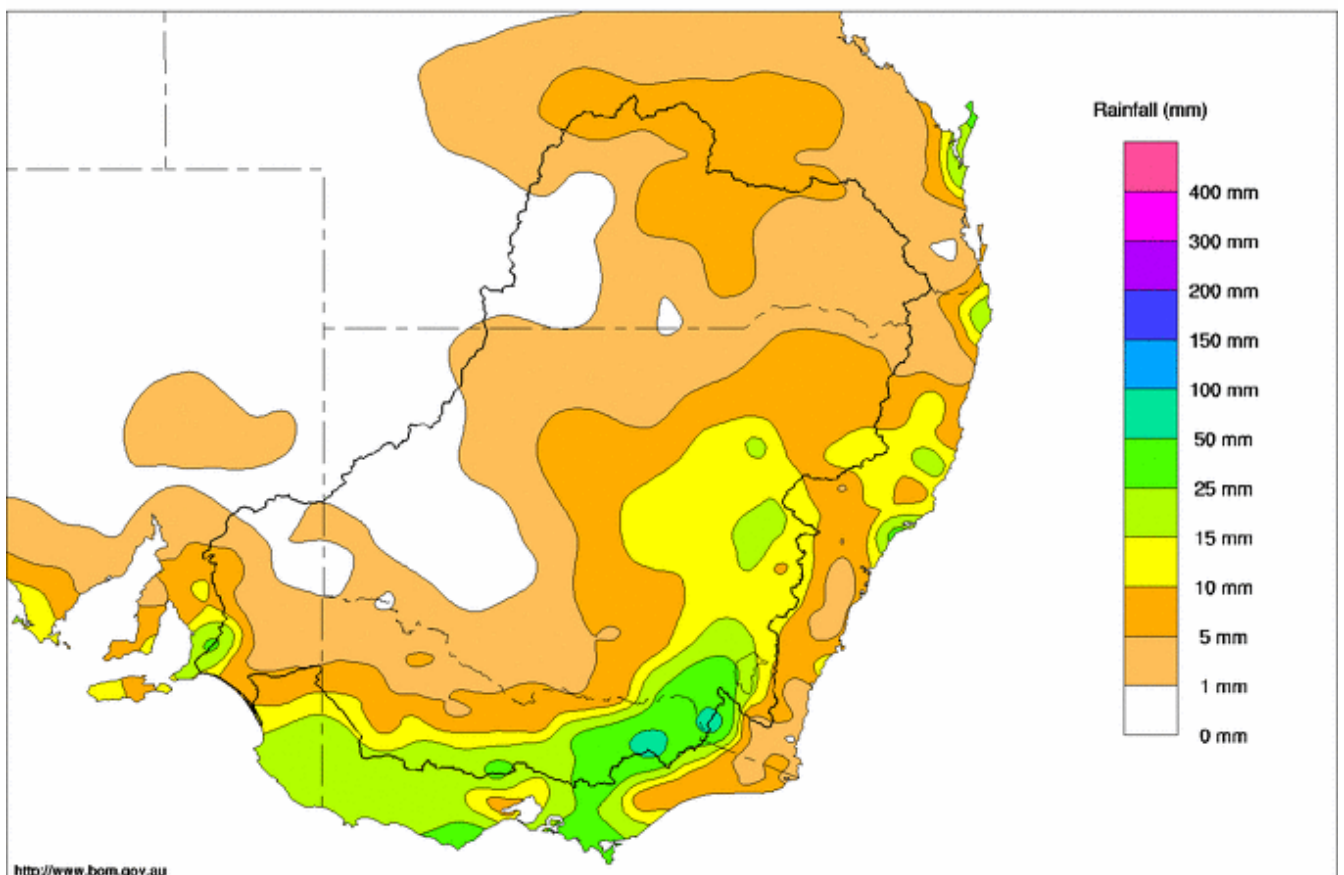
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Rainfall and Inflows

For the week ending 23 June, up to 100 mm of rainfall was recorded in the Snowy Mountains and Victorian Alps. As a result, there was good streamflow response in the Upper Murray and its tributaries. For instance, the flow at Rocky Point on the Ovens River rose from 720 to a peak of 3,460 and is now at 2,480 ML/day. Hinnomunjie on the Mitta Mitta River rose from 440 last week to a peak of 2,710 and is now at 1,230 ML/day.

Murray system inflows (excluding Snowy releases and Menindee Lakes) during the week averaged 9.4 GL/day, up from 5.1 GL/day the previous week. Inflows are expected to slowly decline in the coming week but may be helped by forecast rainfall for this weekend.

Murray Darling Rainfall Analysis (mm) Week Ending 23rd June 2010
Product of the National Climate Centre



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Issued: 23/06/2010



River Operations

MDBA Active storage (including Menindee Lakes) rose by 64 GL to 3,214 GL (37% capacity).

Total storage in Dartmouth Reservoir continued to slowly increase, and this week rose by 15 GL to 1,266 GL (32% capacity) and the total storage in Hume Reservoir increased by 45 GL to 765 GL (25% capacity). The volumes now stored in Hume and Dartmouth reservoirs are considerably higher than this time last year, with 460 GL more in Hume and 435 GL more in Dartmouth. The releases from Dartmouth and Hume Reservoirs continue to remain on the normal winter minimums of 200 and 600 ML/day respectively.

Due to rising inflows from the Kiewa and Ovens Rivers, the release from Yarrowonga Weir was increased from 2,300 to 6,000 ML/day and is expected to gradually fall over the next week unless there is significant rainfall. The level of Lake Mulwala is now 124.72 m AHD (0.18 m below FSL) and is expected to remain fairly steady in the short term. The increased releases from Yarrowonga Weir will also help boost flows into the Edward River through the Gulpa and Edward offtakes on the Murray (near Picnic Point downstream of Lake Mulwala).

Further downstream on the Murray, the flow past Torrumbarry Weir remained steady over the week at around 2,600 ML/day and will rise to around 5,000 ML/day next week as the increased releases from upstream arrive. Euston, Mildura and Wentworth Weirs are all close to Full Supply Level.

Inflows from the Paroo to the Darling River continue, with Wilcannia (downstream of the Paroo confluence and upstream of Menindee Lakes) recording 2,900 ML/day although this inflow is slowly receding. Upstream of Wilcannia, Tilpa is now running at 300 ML/day. Total storage in Menindee Lakes is around 1,505 GL (87% capacity), an increase of 11 GL for the week. Releases from Menindee Lakes are steady at around 200 ML/day and a further 350 ML/day is currently being released from Lake Cawndilla for irrigation use.

Total storage in Lake Victoria is now at 368 GL (54% capacity). This is a fall of 7 GL from last week. The volume in Lake Victoria will continue to fall very slowly over the coming weeks. The flow to South Australia has averaged 4,200 ML/day over the week and the average flow over Lock 1 has been 3,150 ML/day.

The water level in Locks 1-6 are all at or near Full Supply Level. The water level in Lake Alexandrina is rising and is currently -0.21 m AHD. It is expected to continue to rise to 0 m AHD by September, depending on local weather conditions and inflows. The water level in Lake Albert is now at -0.40 m AHD.

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DAVID DREVERMAN
Executive Director, River Murray



Week ending Wednesday 23 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	432.17	1 266	32%	80	1 186	+15
Hume Reservoir	192.00	3 038	176.31	765	25%	30	735	+45
Lake Victoria	27.00	677	24.24	368	54%	100	268	-7
Menindee Lakes		1 731 *		1 505	87%	(480 #)	1 025	+11
Total		9 352		3 904	42%	--	3 214	+64

* Menindee surcharge capacity 2050 GL % of Total Active MDBA Storage = **37%**
 # NSW takes control of Menindee Lakes w hen storage falls below 480 GL, and control reverts to MDBA w hen storage next reaches 640 GL
 ** All Data is rounded to nearest GL **

Major State Storages

Burrinjuck Reservoir	1 026	410	40%	3	407	+10
Blowering Reservoir	1 631	658	40%	24	634	+26
Eildon Reservoir	3 334	871	26%	100	771	+32

Snowy Mountains Scheme

Snowy diversions for week ending 22-Jun-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	547	+10	Snowy-Murray	+16	191
Snowy-Murray Component	410	+0	Tooma-Tumut	+9	30
Target Storage	1 240		Nett Diversion	6.9	162
			Murray 1 Release	+28	213

Major Diversions from Murray and Lower Darling (GL) *

New South Wales			Victoria		
	This week	From 1 July 2009		This week	From 1 July 2009
Murray Irrig. Ltd (Net)	0.0	261	Yarrowonga Main Channel (net)	0.0	157
Wakool Sys Allowance	-0.2	63	Torrumbarry System + Nyah (net)	0.1	328
Western Murray Irrig.	0.1	24	Sunraysia Pumped Districts	0.6	127
Licensed Pumps	0.8	113	Licensed pumps - GMW (Nyah+u/s)	4.3	35
Lower Darling	2.6	11	Licensed pumps - LMW	0.6	254
TOTAL	3.3	472	TOTAL	5.6	901

* 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	29.7	(4 200 ML/day)
Flow so far this month	98	
Flow last month	172	

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

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2009
Swan Hill	50	60	60
Euston	80	90	90
Red Cliffs	90	90	110
Merbein	90	80	110
Burtundy (Darling)	250	250	400
Lock 9	150	160	150
Lake Victoria	180	200	200
Berri	270	260	290
Waikerie	-	-	350
Morgan	310	300	430
Mannum	330	320	490
Murray Bridge	290	290	660
Milang (Lake Alex)	4 900	4 820	5 500
Poltalloch (Lake Alex)	1 740	1 750	4 030
Meningie (Lake Alb)	14 400	14 460	13 230
Goolwa Barrages	20 980	22 040	15 810

Week ending Wednesday 23 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	-	-	-	6 690	F	5 110	4 000
Jingellic	4.0	2.16	208.68	8 570	R	6 570	4 930
Tallandoon (Mitta Mitta River)	4.2	1.49	218.38	650	F	780	410
Heywoods	5.5	1.18	154.81	610	F	670	630
Doctors Point	5.5	1.72	150.19	2 410	R	2 130	1 220
Albury	4.3	0.85	148.29	-	-	-	-
Corowa	7.0	0.68	126.70	2 010	F	1 760	1 400
Yarrowonga Weir (d/s)	6.4	0.96	116.00	4 980	S	3 520	2 360
Tocumwal	6.4	1.34	105.18	4 770	R	3 250	2 760
Torrumbarry Weir (d/s)	7.3	1.06	79.61	2 570	R	2 530	2 900
Swan Hill	4.5	0.67	63.59	2 540	S	2 680	3 230
Wakool Junction	8.8	1.71	50.83	3 270	F	3 470	3 770
Euston Weir (d/s)	8.8	0.75	42.59	3 280	F	3 810	4 180
Mildura Weir (d/s)	-	-	-	3 570	F	3 720	3 890
Wentworth Weir (d/s)	7.3	2.89	27.65	3 330	S	3 430	3 890
Rufus Junction	-	2.91	19.84	3 290	F	3 550	3 580
Blanchetown (Lock 1 d/s)	-	-0.17	-	2 860	R	3 160	3 400
Tributaries							
Kiewa at Bandiana	2.7	1.98	155.21	2 140	R	1 660	810
Ovens at Wangaratta	11.9	9.16	146.84	4 270	F	3 140	1 090
Goulburn at McCoys Bridge	9.0	1.13	92.55	400	S	400	440
Edward at Stevens Weir (d/s)	-	0.48	80.26	230	S	270	430
Edward at Liewah	-	1.13	56.51	580	F	570	500
Wakool at Stoney Crossing	-	1.20	54.69	110	F	120	160
Murrumbidgee at Balranald	5.0	0.43	56.39	200	F	210	230
Barwon at Mungindi	-	3.33	-	240	S	70	0
Darling at Bourke	-	4.03	-	110	S	120	140
Darling at Burtundy Rocks	-	0.79	-	240	F	300	420

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	8 670	2 430
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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	+0.10	+0.64
No 26 Torrumbarry	86.05	-0.02	-	No. 6 Murtho	19.25	+0.00	+0.00
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	+0.01	+0.12
No. 11 Mildura	34.40	+0.00	+0.04	No. 4 Bookpurnong	13.20	+0.01	+0.47
No. 10 Wentworth	30.80	+0.01	+0.25	No.3 Overland Corner	9.80	+0.02	+0.18
No. 9 Kulline	27.40	+0.06	-0.21	No. 2 Waikerie	6.10	+0.01	+0.12
No. 8 Wangumma	24.60	-0.20	+0.41	No 1. Blanchetown	3.20	+0.01	-0.92

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.02	0.932	70.282	648
No. 5 Redbank	66.90	+0.09	0.032	61.332	177

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.21

Barrages

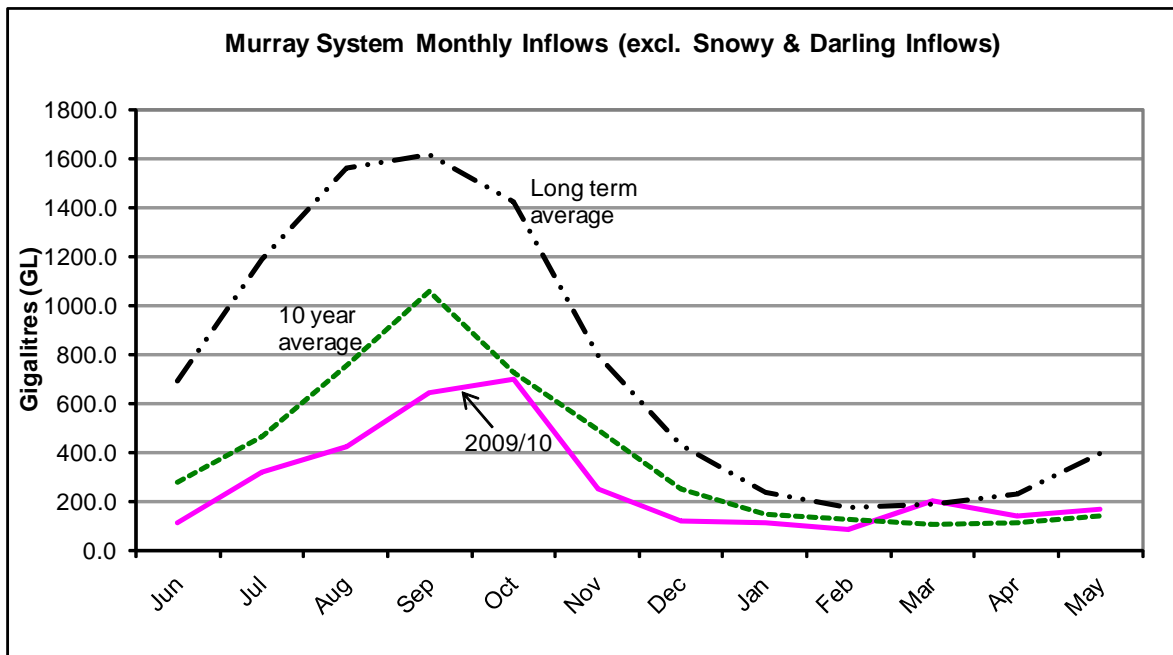
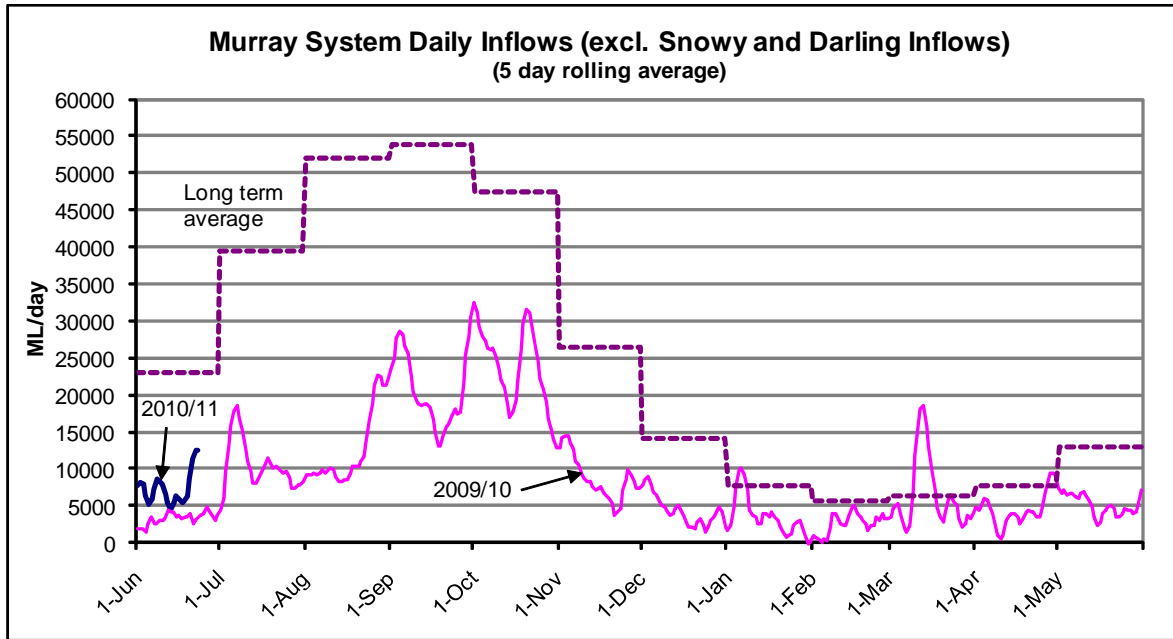
Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.02	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 23 June 2010



State Allocations (as at 23 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.dwlbc.sa.gov.au/media.html>