



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 03 JUNE 2009

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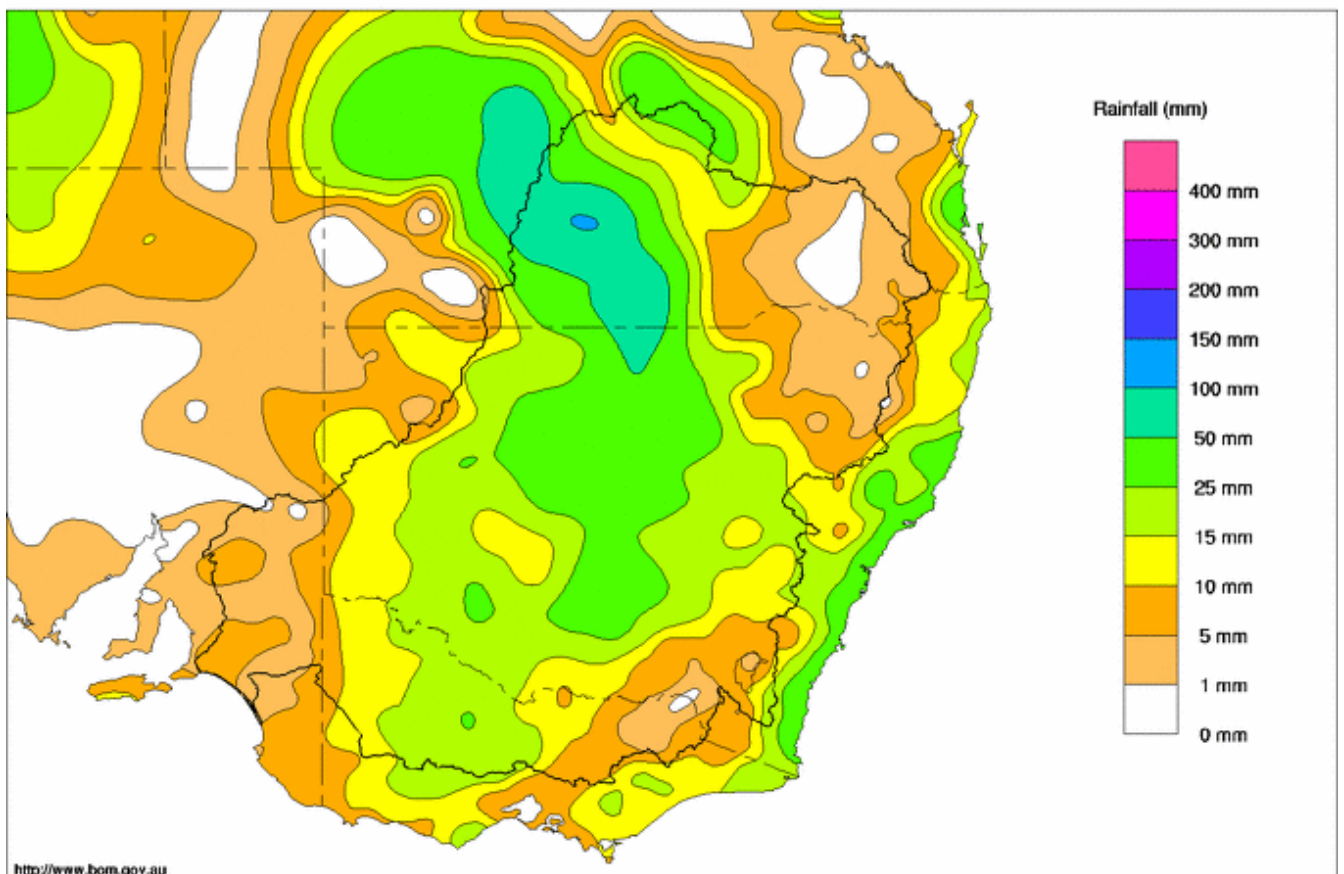
Rainfall and Inflows

During the past week, 50 to 100 mm of rain was recorded across the Paroo and Warrego catchments in the north-west of the Basin. This produced a small response in the Warrego River, with a peak flow of 5,000 ML/day at Wyandra. Western New South Wales also received 15-50 mm of rain and, although there was very little streamflow response, will be a great benefit to dryland farmers.

The good rainfall across the northern Basin two weeks ago, generated a small pulse of water (about 40-50 GL) in the Moonie River and this is now flowing past Collarenebri on the Barwon River. Another small pulse (about 40 GL) has passed Goondiwindi on the Macintyre River and is slowly moving downstream towards Mungindi on the Barwon River. However, unless there is significant follow-up rain, much of this water is expected to dissipate as it travels along the Barwon-Darling River towards Menindee Lakes, which is up to 1,500 km downstream.

The southern Basin received up to 25 mm, particularly through central and western Victoria and south-western New South Wales. The Victorian Alps and Snowy Mountains only received up to 10 mm, and Murray system inflows continue to track close to record lows.

Murray Darling Rainfall Analysis (mm) Week Ending 3rd June 2009
Product of the National Climate Centre



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

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Issued: 03/06/2009



River Operations

MDBA active (useable water) storage is currently 977 GL, which is lower than this time last year (1 140 GL) and well below the long term average for end of May (4 670 GL). Storage in Dartmouth Reservoir increased by 3 GL to 827 GL (or 21 % capacity) and the release remains at the minimum of 200 ML/day. Storage in Hume Reservoir increased by 19 GL to 205 GL (or 7 % capacity). Releases from the Snowy Scheme are currently contributing about 70% of inflows to Hume Reservoir. The flow at Doctors Point, (downstream of Hume Dam and the Kiewa River) is steady at about 1 200 ML/day which is the normal minimum.

The release from Yarrawonga Weir has been maintained at 5 500 ML/day to assist in lowering Lake Mulwala. During the past week the level of Lake Mulwala fell by 1.0 m to 121.9 m AHD (or 3.0 m below FSL). It is planned to have the lake fully lowered before mid-June.

The release from Torrumbarry Weir has been averaging about 5 000 ML/day and should remain fairly steady during the coming week. Further downstream, the release at Euston Weir has increased from 3 900 to 5 400 ML/day and is likely to continue increasing to about 6 000 ML/day during the coming week.

Storage in Lake Victoria increased by 12 GL to 155 GL (or 23 % capacity) and is expected to continue rising as the additional water released from Lake Mulwala arrives over the next few weeks. For the month of June, the target flow to South Australia is 1 700 ML/day, and the target flow past Lock 1 is 1 100 ML/day.

The water level in Lake Alexandrina is currently about -0.93 m AHD (or 1.68 m below FSL) and has been very gradually rising over the last few weeks. This is in response to lower evaporative losses, inflows from the Murray and local runoff, and from rain falling directly onto the lake surface.

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 03 Jun 2009

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	417.07	827	21%	80	747	+3
Hume Reservoir	192.00	3 038	168.63	205	7%	30	175	+19
Lake Victoria	27.00	677	21.97	155	23%	100	55	+12
Menindee Lakes		1 731 *		220	13%	(- -) #	0	-2
Total		9 352		1 407	15%	--	977	+32

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = 11%

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

Major State Storages

Burrinjuck Reservoir	1 026		388	38%	3	385	-4
Blowering Reservoir	1 631		511	31%	24	487	+8
Eildon Reservoir	3 390		408	12%	100	308	+3

Snowy Mountains Scheme

Snowy diversions for week ending 02-Jun-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	437	n/a	Snowy-Murray	+20	87
Snowy-Murray Component	342	-	Tooma-Tumut	+5	16
Target Storage	1 240		Nett Diversion	14.3	71
			Murray 1 Release	+23	103

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This week	From 1 July 2008	Victoria	This week	From 1 July 2008
Murray Irrig. Ltd (Net)	-0.1	159.0	Yarrowonga Main Channel (net)	0.0	136
Wakool System loss	0.8	55.2	Torrumbarry System + Nyah (net)	0.0	282
Western Murray Irrig.	0.0	25.0	Sunraysia Pumped Districts	0.2	101
Licensed Pumps	0.6	117.5	Licensed pumps - GMW (Nyah+u/s)	2.9	30
Lower Darling	0.0	10.9	Licensed pumps - LMW	1.8	157
TOTAL	1.5	367.5	TOTAL	4.8	706

* Figures derived from Estimates and Monthly Data. Please note that not all data may have been available at the time of creating this report.

Flow to South Australia (GL)

Entitlement this month	90 *	(1 800 ML/day)
Flow this week	12.7	
Flow so far this month	5	
Flow last month	58	

* Reduced to approx. 51 GL during May drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2008
Swan Hill	40	40	60
Euston	90	130	90
Red Cliffs	110	100	120
Merbein	90	90	120
Burtundy (Darling)	370	380	470
Lock 9	150	140	190
Lake Victoria	180	220	260
Berri	340	340	350
Waikerie	370	370	470
Morgan	450	470	510
Mannum	620	620	620
Murray Bridge	690	690	640
Milang (Lake Alex.)	5 860	5 810	4 430
Poltalloch (Lake Alex.)	4 220	4 250	4 250
Meningie (Lake Alb.)	10 580	10 620	7 750
Goolwa Barrages	26 990	27 030	23 610

Week ending Wednesday 03 Jun 2009

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	-	-	-	4 740	F	3 510	2 780
Jingellic	4.0	1.71	208.23	4 900	R	3 250	3 340
Tallandoon (Mitta Mitta River)	4.2	1.25	218.14	290	S	300	320
Heywoods	5.5	1.32	154.95	810	R	740	830
Doctors Point	5.5	1.52	149.99	1 350	R	1 170	1 240
Albury	4.3	0.67	148.11	-	-	-	-
Corowa	7.0	0.47	126.49	1 240	R	1 200	1 280
Yarrowonga Weir (d/s)	6.4	1.04	116.08	5 520	R	5 510	5 450
Tocumwal	6.4	1.52	105.36	5 680	R	5 590	5 540
Torrumbarry Weir (d/s)	7.3	1.80	80.35	5 250	R	5 070	4 650
Swan Hill	4.5	1.03	63.95	4 750	R	4 400	3 490
Wakool Junction	8.8	2.35	51.47	5 510	R	5 110	3 720
Euston Weir (d/s)	8.8	1.23	43.07	5 440	R	4 900	3 190
Mildura Weir (d/s)	-	-	-	-	F	3 590	2 160
Wentworth Weir (d/s)	7.3	2.94	27.70	4 530	R	3 590	2 280
Rufus Junction	-	2.54	19.47	1 410	R	1 360	1 160
Blanchetown (Lock 1 d/s)	-	-0.70	-	1 240	F	1 230	1 230
Tributaries							
Kiewa at Bandiana	2.7	1.11	154.34	700	R	600	570
Ovens at Wangaratta	11.9	7.72	145.40	300	F	360	360
Goulburn at McCoys Bridge	9.0	-	-	330	F	330	330
Edward at Stevens Weir (d/s)	-	1.25	81.02	1 010	F	1 050	960
Edward at Liewah	-	1.70	57.08	1 000	R	950	830
Wakool at Stoney Crossing	-	1.23	54.72	130	S	120	70
Murrumbidgee at Balranald	5.0	0.37	56.33	150	S	140	130
Barwon at Mungindi	-	3.37	-	360	R	160	30
Darling at Bourke	-	4.07	-	260	R	240	260
Darling at Burtundy Rocks	-	0.68	-	50	F	40	70

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	2 060	2 740
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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	-3.04	-	No. 7 Rufus River	22.10	-0.10	+0.23
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.12	-0.12
No. 15 Euston	47.60	-0.02	-	No. 5 Renmark	16.30	-0.07	+0.03
No. 11 Mildura	34.40	+0.02	+0.11	No. 4 Bookpurnong	13.20	-0.01	+0.23
No. 10 Wentworth	30.80	+0.02	+0.30	No.3 Overland Corner	9.80	-0.02	+0.02
No. 9 Kulnine	27.40	+0.06	+0.02	No. 2 Waikerie	6.10	-0.05	+0.03
No. 8 Wangumma	24.60	+0.07	+0.08	No 1. Blanchetown	3.20	-0.01	-1.45

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.40	0.52	69.87	186
No. 5 Redbank	66.90	-0.02	-0.02	61.28	143

Lower Lakes

FSL = 0.75 m AHD

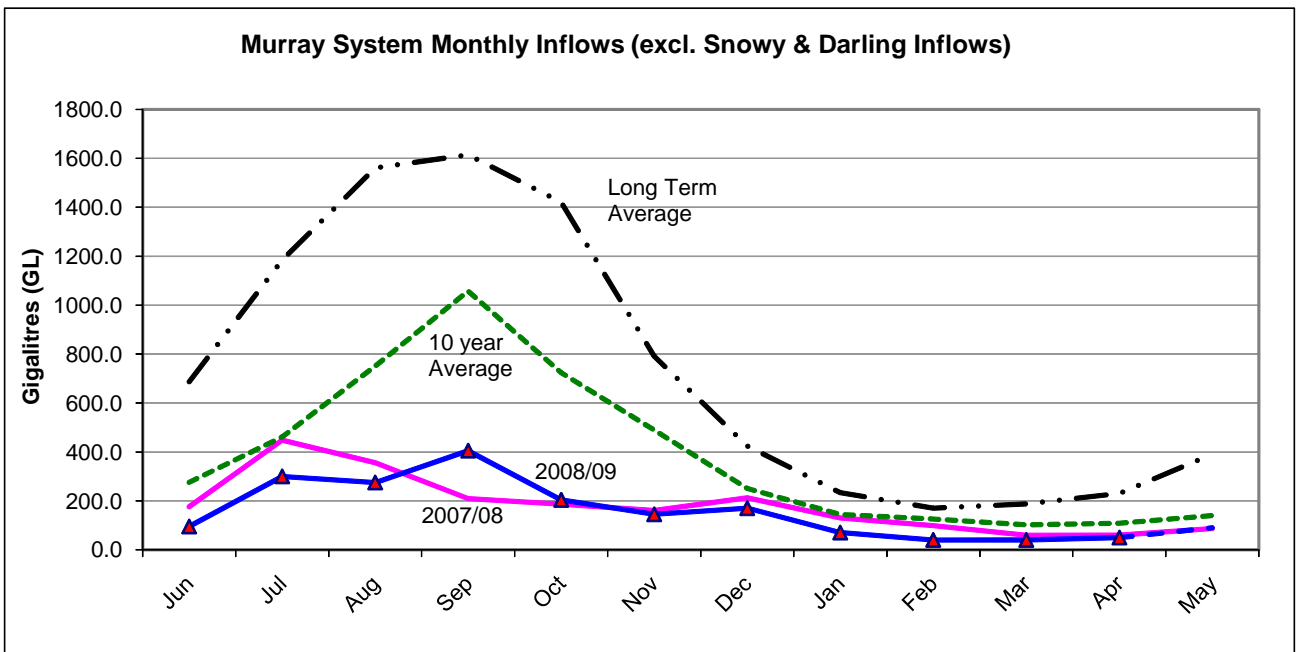
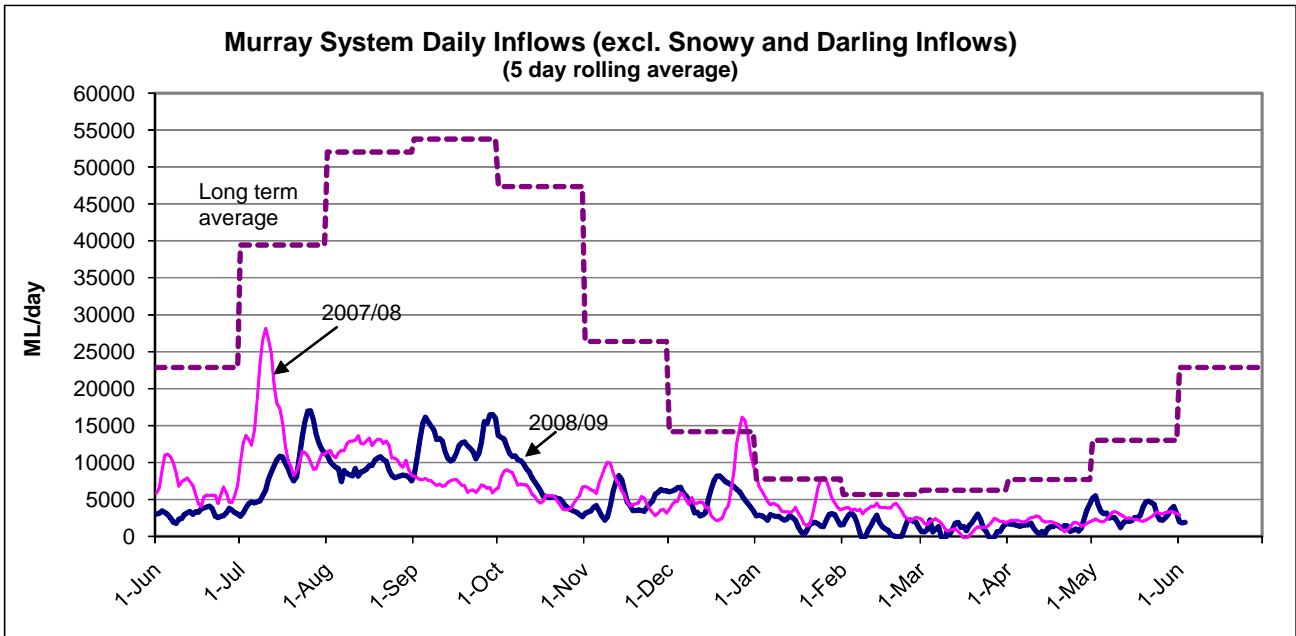
	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.93

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	-0.91	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



State Allocations (as at 3rd June 2009)

NSW - Murray Valley

High security	95%
General security	9%

Victoria - Murray Valley

high reliability	35%
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NSW - Murrumbidgee Valley

High security	95%
General security	21%

Victoria - Goulburn Valley

high reliability	33%
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NSW - Lower Darling

High security	100%
General security	50%

South Australia - Murray Valley

High security	18%
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NSW : http://www.naturalresources.nsw.gov.au/mediarelnr/mr_toc_currnr.html

VIC : <http://www.g-mwater.com.au/water-resources/allocations/current.asp>

SA : <http://www.dwlbc.sa.gov.au/media.html>