



# RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 24 JUNE 2009

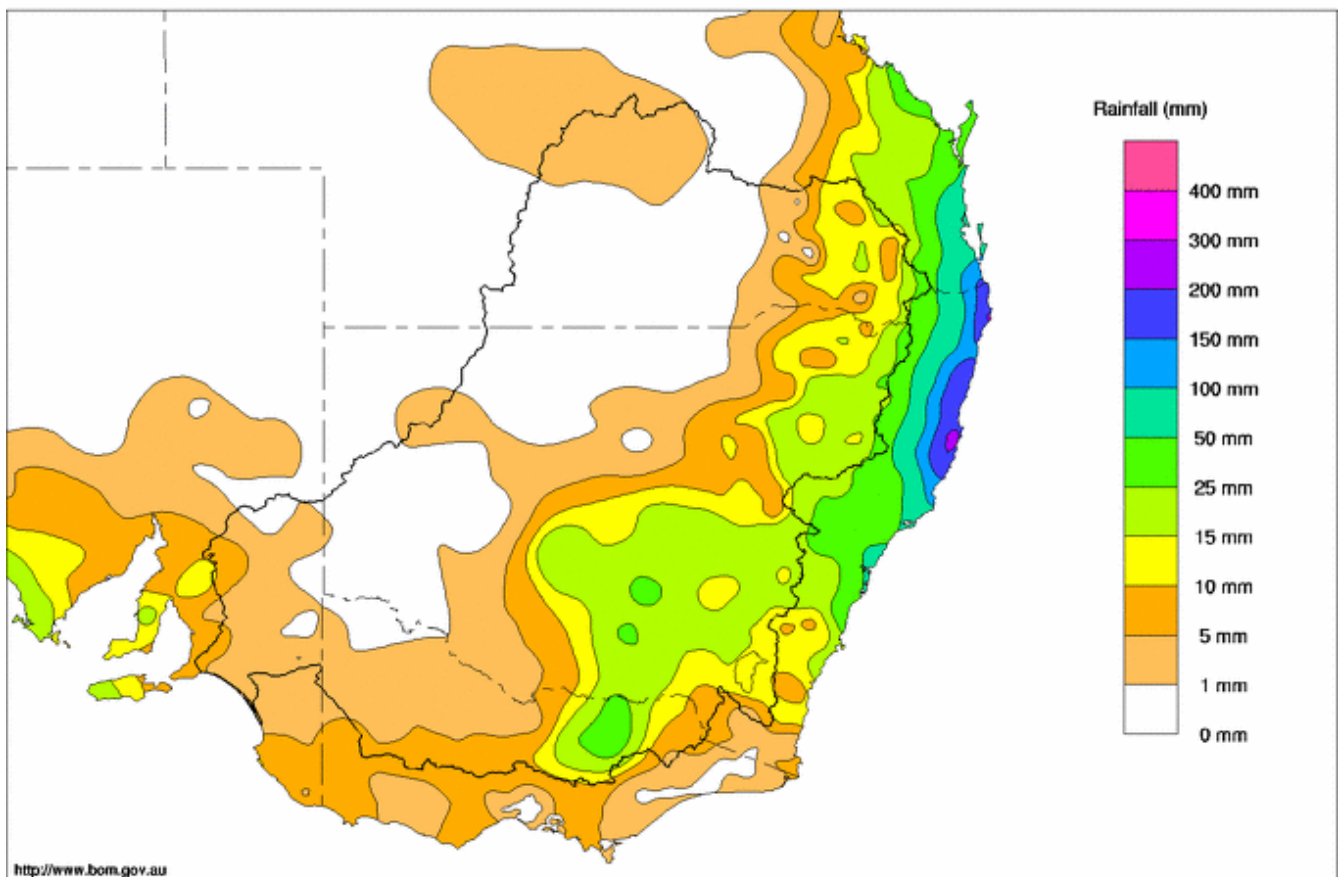
Trim Ref: D09/10104

## Rainfall and Inflows

Large parts of the eastern Murray-Darling Basin recorded between 10 to 25 mm of rain this week. The heaviest falls occurred over eastern Victoria with Sevens Creek in the Goulburn catchment receiving 56 mm of rain. Little or no rain fell across the west of the Basin (see map).

Murray System inflows for June are tracking well below the long-term average of 680 GL. However, due to recent rain, inflows are expected to exceed the record low (around 95 GL) observed in 2008.

Murray Darling Rainfall Analysis (mm) Week Ending 24th June 2009  
Product of the National Climate Centre



© Commonwealth of Australia 2009, Australian Bureau of Meteorology

Issued: 24/06/2009



## River Operations

Dartmouth storage remained steady over the past week and is currently 831 GL (21.3% of capacity) and release remains at 200 ML/day. Storage in Hume Reservoir has continued to rise since late April increasing by a further 35 GL this week to 305 GL (10% of capacity). MDBA active (useable water) storage increased by 61 GL to 1,150 GL (or 14 % of capacity), which is well below the June long term average (5,120 GL).

The flow at Doctors Point (downstream of Hume Dam and the Kiewa River) remains at an average of around 1,200 ML/day. The recent rain has had little impact on flows at Wangaratta, on the Ovens River, with flow rising from 500 to around 700 ML/day. Release from Yarrawonga Weir has fallen by about 500 ML/day to about 2,000 ML/day. The level of Lake Mulwala remains fully drawn down at around 119.5 m AHD (5.4 m below FSL).

The flows at the off-takes to the Edward River and Gulpa Creek declined over the past week from 200 and 80 respectively to 130 and 60 ML/day. The flow downstream of Stevens Weir receded from 500 to 300 ML/day. Stevens Weir remains fully drawn down and the pool level is currently 0.71 m (local gauge height) which is 4.5 m below FSL. If conditions remain dry, the flow downstream of Stevens Weir will continue to recede next week.

Release from Torrumbarry Weir was reduced slightly over the past week, decreasing from 2,700 to around 2,500 ML/day. Release from Euston Weir decreased from 6,000 to 4,600 ML/day and, if conditions remain dry, is expected to be reduced below 3,000 ML/day over the next couple of weeks. Flows in Sunraysia have begun to gradually decline and are expected to decline at a faster rate over the next couple of weeks as the reduction in flow downstream of Euston Weir takes effect.

Flow to South Australia has averaged 1,700 ML/day over the past week. Lock 6 remains around 7 cm below Full Supply Level (FSL), Locks 5 to 3 remain close to, or at their FSLs and Locks 2 and 1 are 7 and 5 cm above their FSLs. The release from Blanchetown Weir (Lock 1) has averaged about 1,000 ML/day over the past week. The water level in Lake Alexandrina is about -0.90 m AHD (or 1.65 m below FSL) and continues to rise very gradually. Lake Albert is currently -0.25 m AHD (or 1 m below FSL) and has been gradually rising since early March.

**For media inquiries contact: Sam Leone on 02 6279 0141**

DAVID DREVERMAN  
Executive Director, River Murray



**Week ending Wednesday 24 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	417.24	831	21%	80	751	-1
Hume Reservoir	192.00	3 038	170.52	305	10%	30	275	+35
Lake Victoria	27.00	677	22.78	224	33%	100	124	+24
Menindee Lakes		1 731 *		224	13%	(- -) #	0	+3
<b>Total</b>		<b>9 352</b>		<b>1 584</b>	<b>17%</b>	<b>--</b>	<b>1 150</b>	<b>+61</b>

\* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **14%**

# 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	381	37%	3	378	+1
Blowering Reservoir	1 631	538	33%	24	514	+9
Eildon Reservoir	3 390	426	13%	100	326	+6

**Snowy Mountains Scheme**

Snowy diversions for week ending 23-Jun-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	393	n/a	Snowy-Murray	+23	154
Snowy-Murray Component	285	-	Tooma-Tumut	+3	26
Target Storage	1 240		Nett Diversion	19.3	128
			Murray 1 Release	+25	179

**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)	0.0	161.1	Yarrowonga Main Channel (net)	0.0	136
Wakool Sys Allowance	-0.2	55.0	Torrumbarry System + Nyah (net)	0.0	268
Western Murray Irrig.	0.0	25.0	Sunraysia Pumped Districts	0.3	101
Licensed Pumps	0.2	118.4	Licensed pumps - GMW (Nyah+u/s)	0.1	31
Lower Darling	0.0	11.0	Licensed pumps - LMW	1.8	162
<b>TOTAL</b>	<b>0.1</b>	<b>370.5</b>	<b>TOTAL</b>	<b>2.1</b>	<b>698</b>

\* 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 *	(1 700 ML/day)
Flow this week	11.8	
Flow so far this month	40	
Flow last month	58	

\* Reduced to approx. 51 GL during June drought contingency operations

**Salinity (EC)**

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2008
Swan Hill	60	50	60
Euston	130	130	90
Red Cliffs	140	130	120
Merbein	100	90	120
Burtundy (Darling)	340	340	460
Lock 9	130	120	190
Lake Victoria	180	160	260
Berri	340	300	350
Waikerie	370	360	470
Morgan	430	430	500
Mannum	580	570	620
Murray Bridge	730	710	650
Milang (Lake Alex.)	5 750	5 760	4 520
Poltalloch (Lake Alex.)	4 310	4 050	4 230
Meningie (Lake Alb.)	9 560	9 500	7 870
Goolwa Barrages	26 480	25 560	23 790

Week ending Wednesday 24 Jun 2009

### River Levels and Flows

	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)				
<b>River Murray</b>							
Khancoban	-	-	-	2 660	F	3 450	5 510
Jingellic	4.0	1.50	208.02	3 140	F	4 500	6 160
Tallandoon ( Mitta Mitta River )	4.2	1.31	218.20	350	S	330	350
Heywoods	5.5	1.20	154.83	630	F	760	700
Doctors Point	5.5	1.46	149.93	1 130	R	1 160	1 310
Albury	4.3	0.65	148.09	-	-	-	-
Corowa	7.0	0.49	126.51	1 310	R	1 230	1 350
Yarrowonga Weir (d/s)	6.4	0.40	115.44	2 130	R	2 100	2 450
Tocumwal	6.4	0.85	104.69	2 290	F	2 420	3 090
Torrumbarry Weir (d/s)	7.3	1.03	79.58	2 470	F	2 630	4 070
Swan Hill	4.5	0.67	63.59	2 540	F	3 090	4 660
Wakool Junction	8.8	1.86	50.98	3 850	F	4 720	5 930
Euston Weir (d/s)	8.8	1.05	42.89	4 620	F	5 350	5 920
Mildura Weir (d/s)	-	-	-	-	-	-	-
Wentworth Weir (d/s)	7.3	2.92	27.68	5 030	F	5 260	5 430
Rufus Junction	-	2.51	19.44	1 420	R	1 210	1 130
Blanchetown (Lock 1 d/s)	-	-0.82	-	1 010	F	1 030	1 110
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.15	154.38	760	F	700	840
Ovens at Wangaratta	11.9	7.96	145.64	740	R	560	610
Goulburn at McCoys Bridge	9.0	1.12	92.54	370	R	350	370
Edward at Stevens Weir (d/s)	-	0.55	80.33	290	F	380	830
Edward at Liewah	-	1.60	56.98	890	F	950	1 060
Wakool at Stoney Crossing	-	1.13	54.62	50	F	60	80
Murrumbidgee at Balranald	5.0	0.31	56.27	110	R	110	110
Barwon at Mungindi	-	3.47	-	620	F	710	1 000
Darling at Bourke	-	4.27	-	1 270	F	1 540	2 000
Darling at Burtundy Rocks	-	0.67	-	40	F	40	50

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	2 900	2 620
---	-------	-------

### 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	-5.37	-	No. 7 Rufus River	22.10	-0.08	+0.20
No. 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	-0.07	-0.10
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	-0.04	-0.01
No. 11 Mildura	34.40	+0.03	+0.10	No. 4 Bookpurnong	13.20	-0.01	+0.17
No. 10 Wentworth	30.80	-0.02	+0.28	No.3 Overland Corner	9.80	-0.00	+0.13
No. 9 Kulnine	27.40	-0.00	-0.03	No. 2 Waikerie	6.10	+0.07	+0.07
No. 8 Wangumma	24.60	+0.00	+0.03	No. 1. Blanchetown	3.20	+0.05	-1.57

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.28	1.145	70.495	1015
No. 5 Redbank	66.90	+0.02	0.06	61.36	197

### Lower Lakes

FSL = 0.75 m AHD

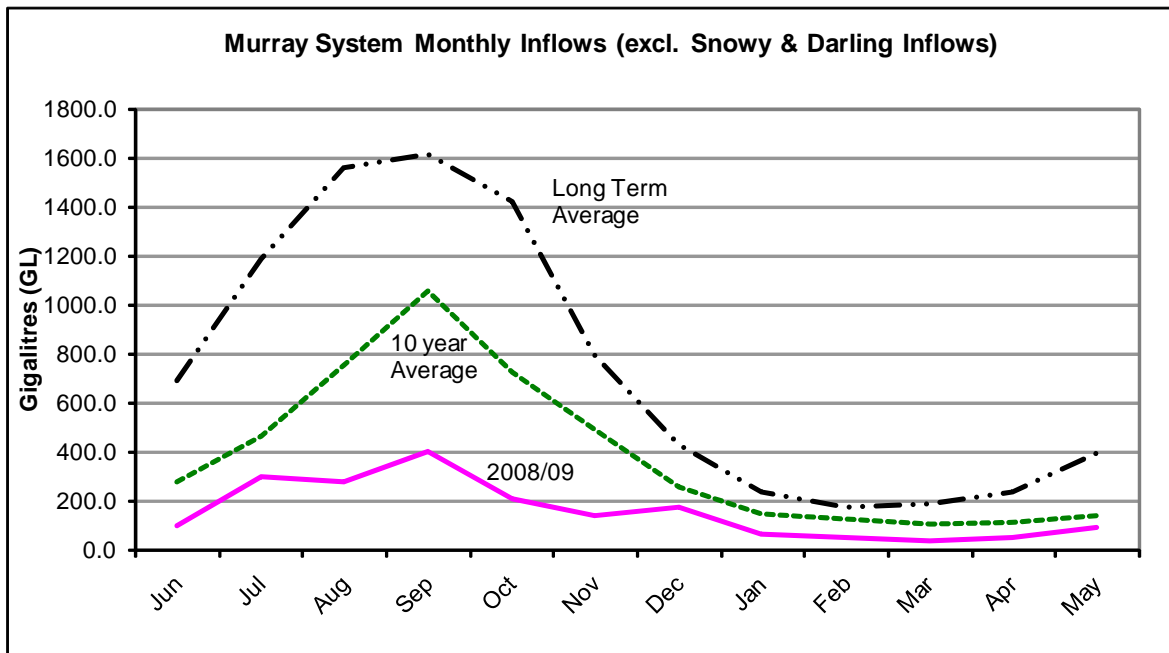
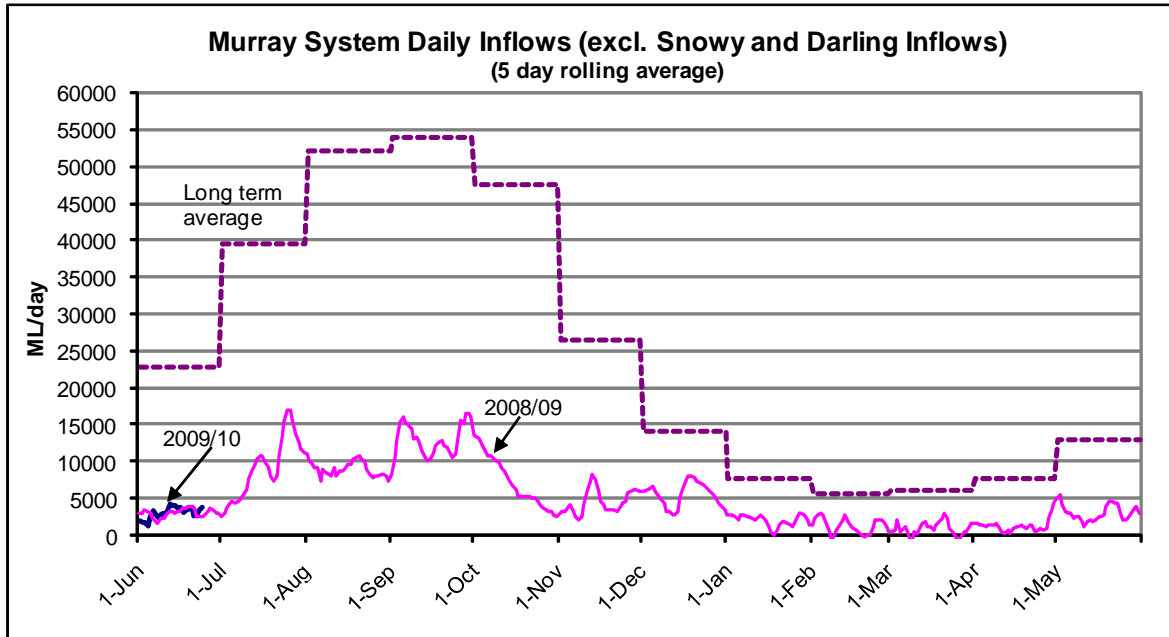
	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.90

### 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	-	-
Tauwitchere	322 gates	-	All closed	Closed	Closed

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



**State Allocations (as at 24th June 2009)**

**NSW - Murray Valley**

High security	95%
General security	9%

**Victoria - Murray Valley**

high reliability	35%
------------------	-----

**NSW - Murrumbidgee Valley**

High security	95%
General security	21%

**Victoria - Goulburn Valley**

high reliability	33%
------------------	-----

**NSW - Lower Darling**

High security	100%
General security	50%

**South Australia - Murray Valley**

High security	18%
---------------	-----

NSW : [http://www.naturalresources.nsw.gov.au/mediarelnr/mr\\_toc\\_currnr.html](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.htm>