



# RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 28 JULY 2010

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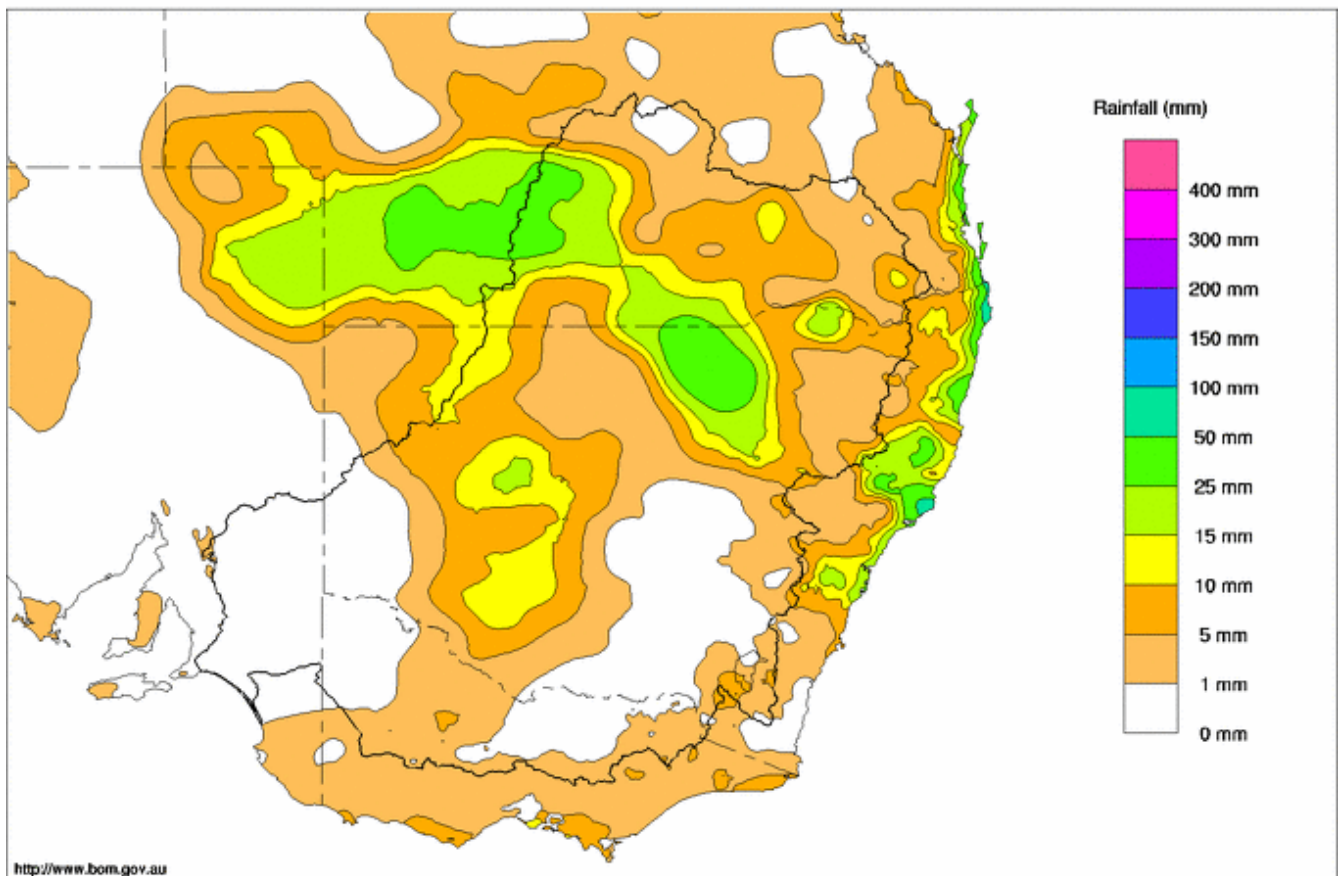
## Rainfall and Inflows

Lack of follow-up rainfall in the southern Murray-Darling Basin in the last 7 days (see map below) has meant that river inflows have declined markedly since the high flows of 10–14 days ago. For example, the Mitta Mitta River at Hinnomunjie, upstream of Dartmouth Reservoir, has fallen from a peak of 6,400 ML/day on 14 July to 850 ML/day, while the Ovens River at Wangaratta has fallen from 21,200 ML/day on 17 July to 4,330 ML/day. However, moderate rainfall of possibly more than 25 mm is forecast by the Bureau of Meteorology for the upper Murray catchment during the next week and this rain should boost inflows again.

Murray system inflows (excluding Snowy releases and Darling inflows) during the last week totalled 119 GL, an average of 17,000 ML/day. The Goulburn River contributed about 13.2 GL of water to the Murray during the last week, and about 7.3 GL flowed from the Darling River into the Menindee Lakes.

Murray Darling Rainfall Totals (mm) Week Ending 28th July 2010

Product of the National Climate Centre



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

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## River Operations

MDBA active storage (including Menindee Lakes) increased by 93 GL during the week to 3,663 GL (42% capacity). Dartmouth Reservoir increased by 13 GL and is currently storing 1,346 GL of water (34% capacity). Hume Reservoir is currently at 1,069 GL (35% capacity), an increase of 53 GL since last week. Releases from these two reservoirs remain at winter minimums.

The pool level at Yarrawonga Weir is currently 124.70 m AHD (0.20 m below FSL) and is likely to remain close to this level during the coming week. Releases from Yarrawonga Weir declined during the week from 13,800 ML/day to 7,000 ML/day as inflows decreased and water was used to fill Mulwala Canal in preparation for the forthcoming irrigation season. Barmah-Millewa Forest regulators, which had been opened the previous week to pass a flow in excess of channel capacity, have been progressively closed as the flow has receded.

The pool levels at Torrumbarry, Euston and Wentworth Weirs have remained steady at close to Full Supply Level. The higher flows from last week's rain peaked on 23 July at 13,800 ML/day at Torrumbarry and are expected to reach Euston on about 31 July at a flow rate of about 10,700 ML/day.

Lowering of the Mildura Weir pool commenced on 22 July and the pool is now fully lowered. The upgrade works are currently on schedule and it is expected that the weir pool will be raised back to Full Supply Level by mid-August. The water flowing past the weir currently has a slightly higher salinity (120 EC, compared with about 70 EC previously) due to groundwater inflows while the pool is lowered. The salinity is expected to increase in the next few days, possibly up to about 300 EC, then decline as it is diluted by higher flows from upstream.

Menindee Lakes are currently at 1,553 GL (90% capacity), and still rising slowly. The volume stored is expected to peak at about 1,560 GL in early August. Further significant rain in the northern basin could push this volume higher.

At Lake Victoria, the level has risen by 25 GL in the last week. The storage is currently 385 GL (57% capacity) and is expected to decline slightly in the next few weeks as the flow to South Australia increases in August.

The water level in Lake Alexandrina is currently -0.02 m AHD and is expected to continue rising during August.

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

DAVID DREVERMAN  
Executive Director, River Murray

Week ending Wednesday 28 Jul 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	434.54	1 346	34%	80	1 266	+13
Hume Reservoir	192.00	3 038	179.23	1 069	35%	30	1 039	+53
Lake Victoria	27.00	677	24.39	385	57%	100	285	+25
Menindee Lakes		1 731 *		1 553	90%	(480 #)	1 073	+2
<b>Total</b>		<b>9 352</b>		<b>4 353</b>	<b>47%</b>	<b>--</b>	<b>3 663</b>	<b>+93</b>

\* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **42%**

# 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		525	51%	3	522	+13
Blowering Reservoir	1 631		875	54%	24	851	+36
Eildon Reservoir	3 334		1 061	32%	100	961	+26

### Snowy Mountains Scheme

Snowy diversions for week ending 27-Jul-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	536	-8	Snowy-Murray	+12	281
Snowy-Murray Component	408	+1	Tooma-Tumut	+4	65
Target Storage	1 170		Nett Diversion	7.7	216
			Murray 1 Release	+22	337

### Major Diversions from Murray and Lower Darling (GL) \*

New South Wales	This week	From 1 July 2010	Victoria	This week	From 1 July 2010
Murray Irrig. Ltd (Net)	10.1	11.0	Yarrowonga Main Channel (net)	0.0	0.0
Wakool Sys Allowance	-0.2	-1.0	Torrumbarry System + Nyah (net)	7.3	25.0
Western Murray Irrig.	0.0	0.0	Sunraysia Pumped Districts	0.3	1.0
Licensed Pumps	0.2	2.0	Licensed pumps - GMW (Nyah+u/s)	0.0	0.0
Lower Darling	0.0	0.0	Licensed pumps - LMW	0.8	3.0
<b>TOTAL</b>	<b>10.1</b>	<b>12.0</b>	<b>TOTAL</b>	<b>8.4</b>	<b>29.0</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.

\*\* All Data is rounded to nearest 100 ML for the above\*\*

### Flow to South Australia (GL)

Entitlement this month	108.5 *	
Flow this week	29.4	(4 200 ML/day)
Flow so far this month	126.4	
Flow last month	129.3	

\* Flow to SA in July 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	100	60	60
Euston	80	70	90
Red Cliffs	170	110	110
Merbein	90	70	100
Burtundy (Darling)	250	250	390
Lock 9	130	130	140
Lake Victoria	150	180	200
Berri	290	270	290
Waikerie	-	-	350
Morgan	330	330	420
Mannum	320	320	480
Murray Bridge	290	300	630
Milang (Lake Alex)	4 010	3 960	5 380
Poltalloch (Lake Alex)	1 590	1 560	3 770
Meningie (Lake Alb.)	13 770	13 620	13 280
Goolwa Barrages	19 720	20 860	16 290

Week ending Wednesday 28 Jul 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	-	-	-	5 060	R	3 770	4 550
Jingellic	4.0	1.93	208.45	6 600	R	6 480	12 430
Tallandoon ( Mitta Mitta River )	4.2	1.54	218.43	730	F	840	1 520
Heywoods	5.5	1.18	154.81	640	R	610	600
Doctors Point	5.5	1.68	150.15	2 190	R	2 350	3 480
Albury	4.3	0.83	148.27	-	-	-	-
Corowa	7.0	0.69	126.71	2 040	F	2 540	3 270
Yarrowonga Weir (d/s)	6.4	1.29	116.33	7 200	R	9 730	12 340
Tocumwal	6.4	1.89	105.73	7 960	F	11 000	10 250
Torrumbarry Weir (d/s)	7.3	2.52	81.07	7 670	F	11 450	6 530
Swan Hill	4.5	1.84	64.76	10 090	F	8 820	4 250
Wakool Junction	8.8	3.40	52.52	9 950	R	7 350	5 480
Euston Weir (d/s)	8.8	1.95	43.79	8 420	R	6 010	6 250
Mildura Weir (d/s)	-	-	-	5 440	F	6 120	6 950
Wentworth Weir (d/s)	7.3	3.02	27.78	6 400	F	7 510	6 610
Rufus Junction	-	3.00	19.93	3 720	R	3 480	3 570
Blanchetown (Lock 1 d/s)	-	-0.03	-	2 930	R	2 890	4 160
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.86	155.09	1 930	R	2 080	3 200
Ovens at Wangaratta	11.9	9.18	146.86	4 330	F	5 710	14 760
Goulburn at McCoys Bridge	9.0	1.49	92.91	930	F	1 890	3 860
Edward at Stevens Weir (d/s)	-	1.42	81.19	1 200	F	1 010	610
Edward at Liewah	-	1.25	56.63	660	S	670	700
Wakool at Stoney Crossing	-	1.14	54.63	70	S	70	90
Murrumbidgee at Balranald	5.0	0.29	56.25	100	F	130	160
Barwon at Mungindi	-	3.36	-	390	R	210	90
Darling at Bourke	-	4.06	-	220	S	260	180
Darling at Burtundy Rocks	-	0.78	-	220	R	240	260

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	8 300	19 010
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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	-0.20	-	No. 7 Rufus River	22.10	+0.09	+0.70
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.02	-0.01
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.00	+0.14
No. 11 Mildura	34.40	-2.16	-0.01	No. 4 Bookpurnong	13.20	+0.00	+0.44
No. 10 Wentworth	30.80	-0.10	+0.38	No.3 Overland Corner	9.80	+0.00	+0.14
No. 9 Kulline	27.40	+0.03	-0.03	No. 2 Waikerie	6.10	-0.00	+0.12
No. 8 Wangumma	24.60	-0.03	+0.41	No 1. Blanchetown	3.20	+0.02	-0.78

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	+0.00	1.575	70.925	1870
No. 5 Redbank	66.90	+0.10	0.37	61.67	492

### Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.02

### Barrages

Fishways @ Barrages

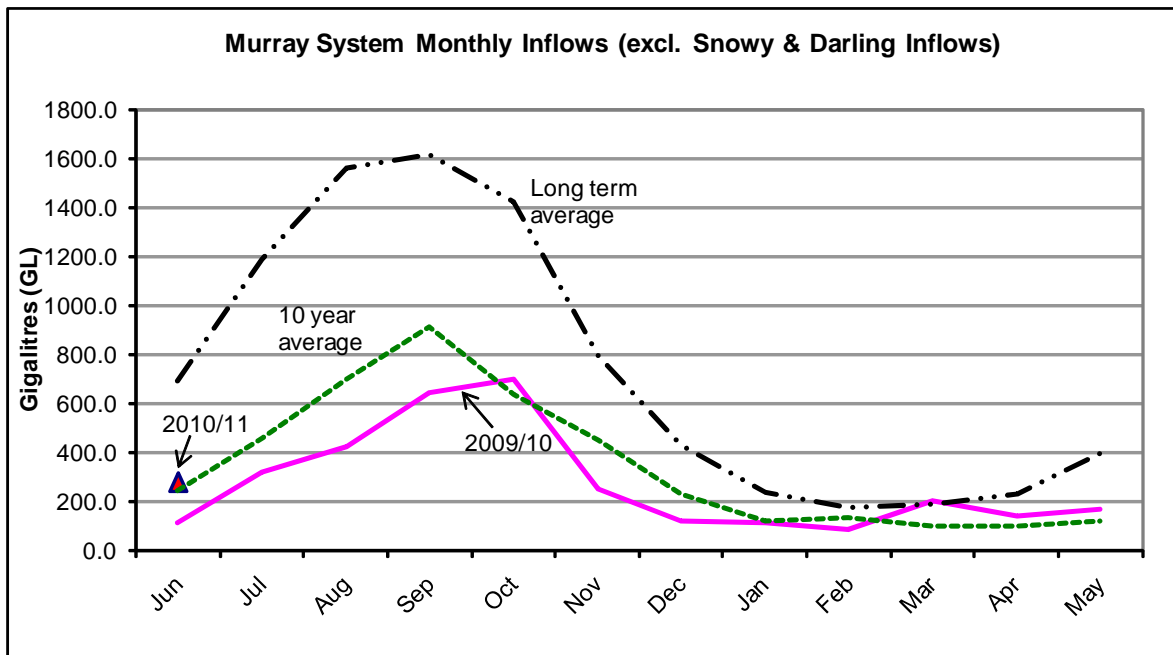
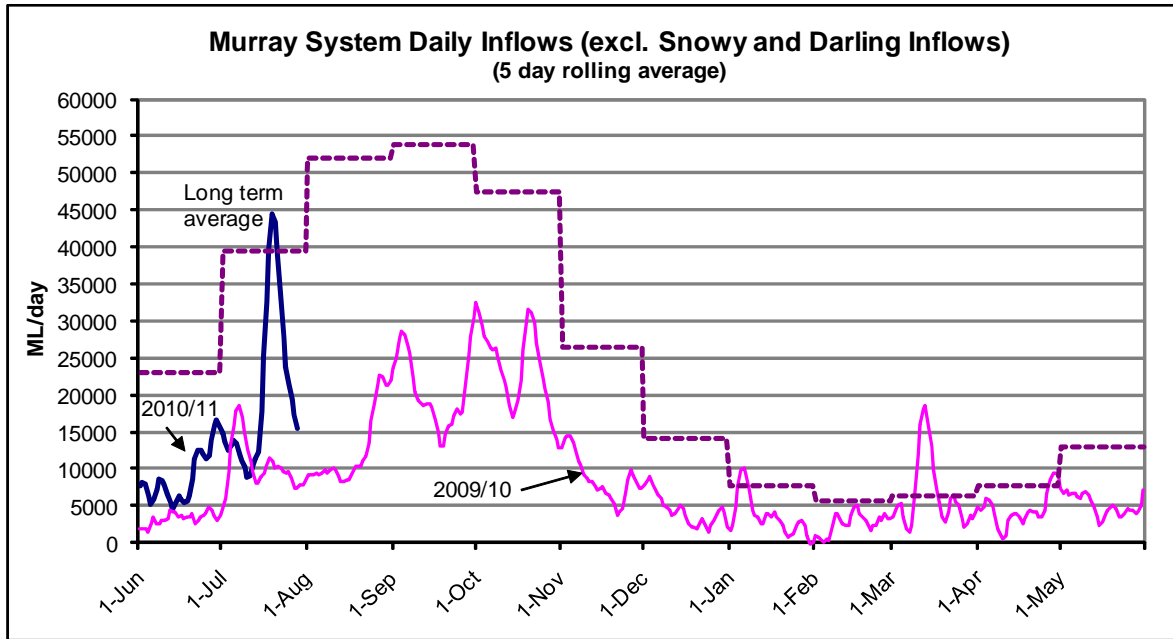
	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.20	All closed	-	Closed
Mundoo	26 openings	-	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	-	All closed	Closed	Closed

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





Week ending Wednesday 28 July 2010



**State Allocations (as at 28 July 2010)**

**NSW - Murray Valley**

High security	10%
General security	0%

**Victoria - Murray Valley**

High reliability	0%
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**NSW - Murrumbidgee Valley**

High security	30%
General security	0%

**Victoria - Goulburn Valley**

High reliability	0%
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**NSW - Lower Darling**

High security	100%
General security	100%

**South Australia - Murray Valley**

High security	24%
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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/>