



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 07 OCTOBER 2009

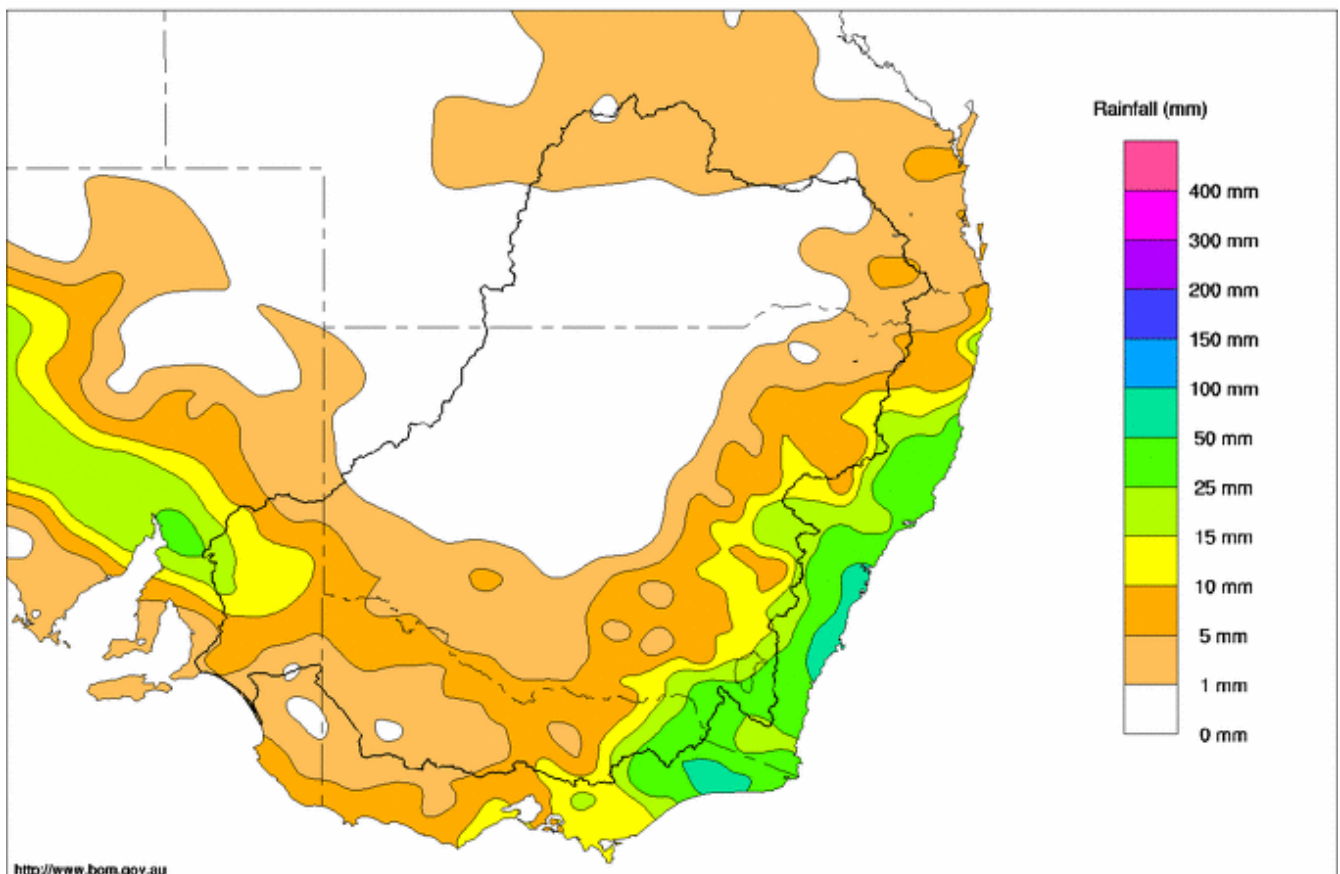
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Rainfall and Inflows

For the week ending 7 October rainfall was generally light across the southern Murray-Darling Basin. However, some good falls were recorded in the Victorian Alps with Hinnomunjie receiving around 65 mm and Thredbo in the Snowy Mountains recorded 83 mm (see Map 1). As a result, streamflow responses in the upper Murray have varied depending on local rainfall in the sub-catchments. For instance, the flow at Hinnomunjie on the Mitta Mitta River has remained steady, from 2,950 ML/day last week and is now around 2,850 ML/day, whereas at Rocky Point on the Ovens River the flow has fallen from about 8,000 to 4,600 ML/day.

Murray Darling Rainfall Analysis (mm) Week Ending 7th October 2009

Product of the National Climate Centre



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Issued: 07/10/2009



River Operations

MDBA active storage increased by 117 GL to 2,233 GL (26 % capacity), this is the highest total active storage volume since November 2006, but remains well below the long term average for October of 6,530 GL.

Storage in Dartmouth Reservoir increased by 29 GL to 1,086 GL (28 % capacity) and the release remains at the normal minimum of 200 ML/day. Storage in Hume Reservoir increased by 78 GL to 1,058 GL (35 % capacity). The Hume release is currently at the normal minimum of 600 ML/day but will be increased over the coming week as inflows from the Kiewa and Ovens Rivers recede.

During the last week, inflows from the Kiewa and Ovens Rivers have increased the water level at Lake Mulwala from 124.64 to its Full Supply Level of 124.9 m AHD and is currently at 124.87 m AHD (0.03 m below FSL). During the coming week the level is expected to decrease to the normal operating level of around 124.7 m AHD as the inflows decline. The release from Yarrowonga Weir has been fairly steady at around 10,500 ML/day.

At Stevens Weir on the Edward River, the release peaked during the week due to higher flows through the Edward and Gulpa offtakes and via Edward Escape (from the Mulwala Canal) to 2,300 ML/day and is now around 2,000 ML/day.

At Torrumbarry Weir, the increased flows from both Yarrowonga Weir and from the Goulburn River are passing through and the release has risen from 6,250 to 8,700 ML/day. Similarly, the increased flows from upstream are arriving at Euston Weir where the release has increased from 5,200 to 6,400 ML/day, and is expected to increase to around 9,000 ML/day over the coming week. Torrumbarry, Euston, Mildura and Wentworth weir pool levels are close to Full supply level.

Storage in Menindee Lakes (which remain under NSW control) decreased by 6 GL to 213 GL (12 % capacity) as flows from upstream continue to decline after months without significant rain in the northern Basin. Flows past Wilcannia have fallen to 5 ML/day. The flow past Weir 32 on the lower Darling River remains steady at about 150 ML/day.

Storage in Lake Victoria increased by 8 GL to 299 GL (44 % capacity). The average flow to South Australia was about 2,500 ML/day and the flow past Lock 1 averaged around 1,250 ML/day. The weir pool levels at Locks 1 to 5 are all above Full Supply Level and Lock 6 remains slightly below. At Lake Bonney (near Lock 3) a total of 26 GL is being delivered for a partial rewetting of the lake and the current inflow is around 300 ML/day.

Lake Alexandrina's water level is currently at -0.75 m AHD (1.5 m below FSL) and the water level at Lake Albert has decreased from -0.15 to around -0.18 m AHD. The water level in Goolwa Channel (which is now separated from Lake Alexandrina by a blocking bank at Clayton) has increased to +0.41 m AHD.

For media inquiries contact: Sam Leone on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 07 Oct 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	426.46	1 086	28%	80	1 006	+29
Hume Reservoir	192.00	3 038	179.13	1 058	35%	30	1 028	+78
Lake Victoria	27.00	677	23.54	299	44%	100	199	+8
Menindee Lakes		1 731 *		213	12%	(- -) #	0	-6
Total		9 352		2 656	28%	--	2 233	+109

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **26%**

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	425	41%	3	422	+2
Blowering Reservoir	1 631	650	40%	24	626	+2
Eildon Reservoir	3 334	977	29%	100	877	+69

Snowy Mountains Scheme

Snowy diversions for week ending 06-Oct-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversions (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	1 063	n/a	Snowy-Murray	+0	257
Snowy-Murray Component	526	-	Tooma-Tumut	+12	172
Target Storage	1 400		Nett Diversion	-12.2	85
			Murray 1 Release	+16	409

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)	3.0	43.2	Yarrawonga Main Channel (net)	2.8	20
Wakool Sys Allowance	1.8	1.8	Torrumbary System + Nyah (net)	1.6	27
Western Murray Irrig.	0.2	2.2	Sunraysia Pumped Districts	0.8	9
Licensed Pumps	1.3	15.2	Licensed pumps - GMW (Nyah+u/s)	0.1	1
Lower Darling	0.2	.9	Licensed pumps - LMW	3.8	28
TOTAL	6.5	63.3	TOTAL	9.0	84

* 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	170 *	
Flow this week	17.4	(2 500 ML/day)
Flow so far this month	17	
Flow last month	68	

* Reduced to approx. 70 GL during October drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2009
Swan Hill	50	50	80
Euston	70	80	90
Red Cliffs	90	90	130
Merbein	80	90	110
Burtundy (Darling)	570	560	460
Lock 9	170	180	160
Lake Victoria	220	220	220
Berri	480	470	450
Waikerie	580	590	550
Morgan	630	620	550
Mannum	590	600	600
Murray Bridge	690	700	690
Milang (Lake Alex.)	5 340	5 230	5 120
Poltalloch (Lake Alex.)	5 640	5 640	4 780
Meningie (Lake Alb.)	9 860	9 010	9 150
Goolwa Barrages	12 090	12 440	17 470

Week ending Wednesday 07 Oct 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	-	-	-	5 580	F	5 090	3 880
Jingellic	4.0	2.35	208.87	10 360	R	9 970	9 860
Tallandoon (Mitta Mitta River)	4.2	1.66	218.55	1 020	F	1 260	1 350
Heywoods	5.5	1.18	154.81	600	S	600	2 210
Doctors Point	5.5	1.91	150.38	3 620	F	3 670	5 290
Albury	4.3	0.98	148.42	-	-	-	-
Corowa	7.0	1.09	127.11	3 600	R	3 700	5 180
Yarrowonga Weir (d/s)	6.4	1.73	116.77	10 600	S	10 400	9 610
Tocumwal	6.4	2.23	106.07	10 080	R	9 900	8 290
Torrumbary Weir (d/s)	7.3	2.80	81.35	8 700	R	7 730	5 210
Swan Hill	4.5	1.38	64.30	7 070	R	5 880	3 880
Wakool Junction	8.8	2.63	51.75	6 700	R	5 790	4 700
Euston Weir (d/s)	8.8	1.43	43.27	6 400	R	5 860	5 110
Mildura Weir (d/s)	-	-	-	5 020	F	4 900	4 570
Wentworth Weir (d/s)	7.3	2.98	27.74	4 630	R	4 340	4 160
Rufus Junction	-	2.60	19.53	1 860	S	1 810	1 760
Blanchetown (Lock 1 d/s)	-	-0.57	-	1 150	F	1 240	1 160
Tributaries							
Kiewa at Bandiana	2.7	2.51	155.74	4 000	F	4 560	4 860
Ovens at Wangaratta	11.9	9.59	147.27	5 890	F	8 170	8 070
Goulburn at McCoys Bridge	9.0	1.45	92.87	870	F	870	250
Edward at Stevens Weir (d/s)	-	2.01	81.79	2 010	F	1 920	1 050
Edward at Liewah	-	1.65	57.03	940	R	910	1 140
Wakool at Stoney Crossing	-	1.05	54.55	30	S	20	10
Murrumbidgee at Balranald	5.0	1.41	57.37	960	S	920	750
Barwon at Mungindi	-	3.01	-	0	F	0	0
Darling at Bourke	-	3.87	-	0	F	0	10
Darling at Burtundy Rocks	-	0.67	-	30	F	40	50

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	16 710	19 070
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Weirs and Locks

Pool levels above or below Full Supply Level (FSL)

Murray	FSL (mAHD)	u/s	d/s		FSL (mAHD)	u/s	d/s
Yarrowonga	124.90	-0.03	-	No. 7 Rufus River	22.10	+0.05	+0.31
No 26 Torrumbary	86.05	+0.00	-	No. 6 Murtho	19.25	-0.07	-0.00
No. 15 Euston	47.60	-0.04	-	No. 5 Renmark	16.30	+0.04	+0.10
No. 11 Mildura	34.40	-0.02	+0.11	No. 4 Bookpurnong	13.20	+0.05	+0.33
No. 10 Wentworth	30.80	+0.00	+0.34	No.3 Overland Corner	9.80	+0.15	+0.18
No. 9 Kulnine	27.40	+0.05	+0.13	No. 2 Waikerie	6.10	+0.11	+0.16
No. 8 Wangumma	24.60	+0.15	+0.22	No 1. Blanchetown	3.20	+0.12	-1.32

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-15.00	1.51	70.86	1690
No. 5 Redbank	66.90	-14.60	1.067	62.367	1316

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.75

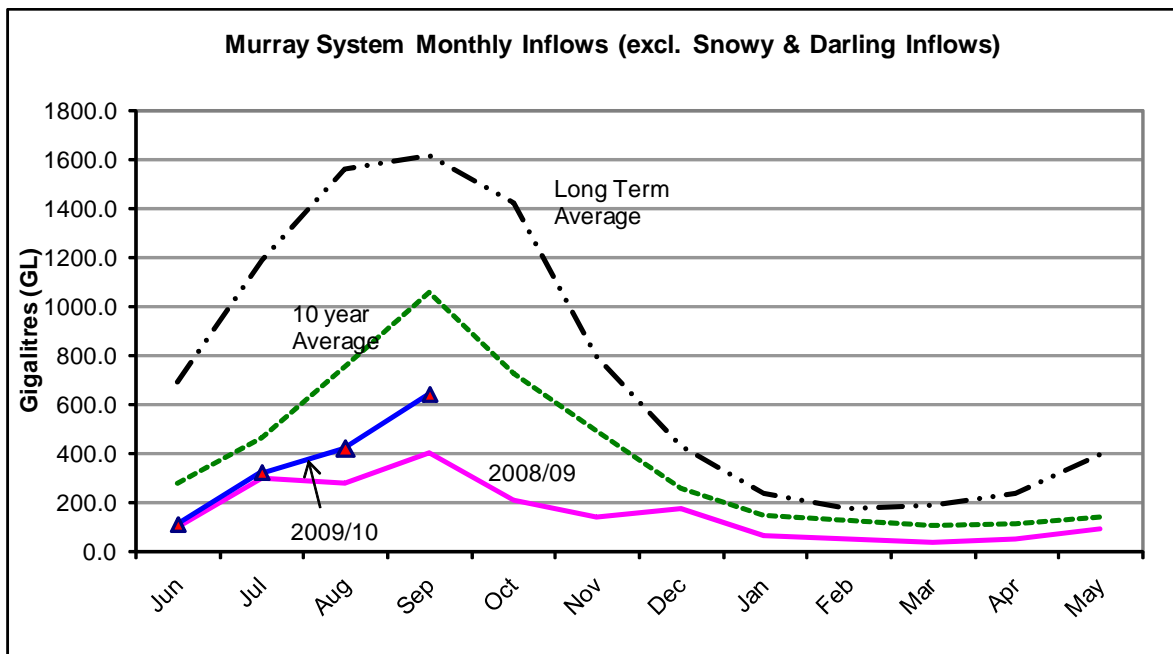
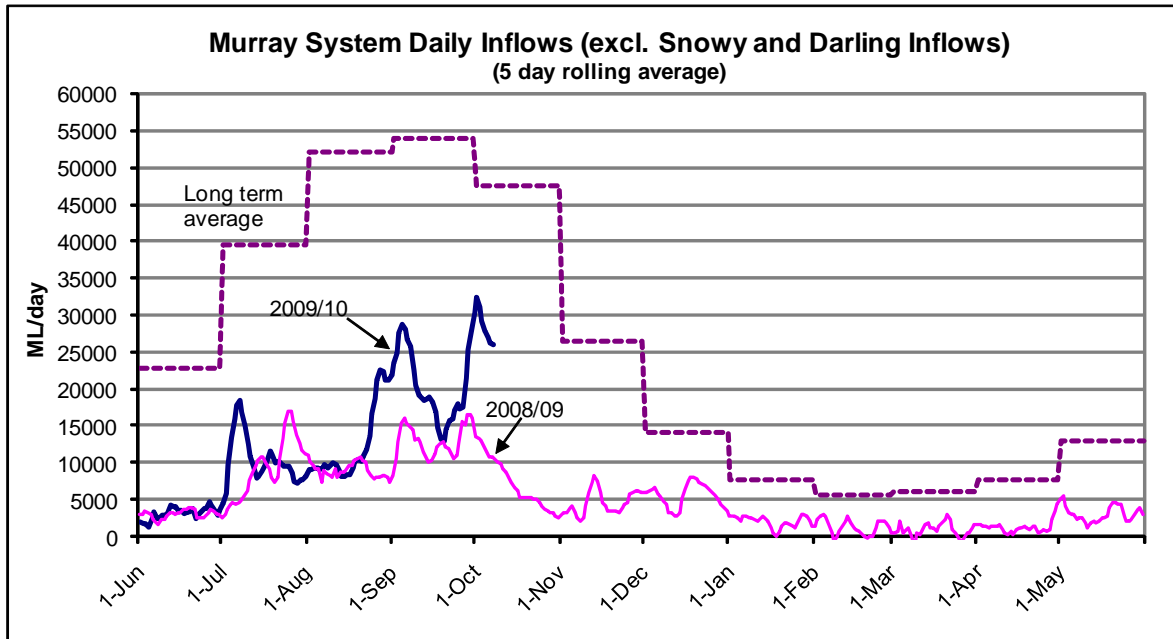
Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.41	All closed	-	Closed
Mundoo	26 openings	-	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwicheere	322 gates	-	All closed	Closed	Closed



Week ending Wednesday 7th October 2009



State Allocations (as at 7th October 2009)

NSW - Murray Valley

High security	97%
General security	1%

Victoria - Murray Valley

high reliability	29%
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NSW - Murrumbidgee Valley

High security	95%
General security	3%

Victoria - Goulburn Valley

high reliability	30%
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NSW - Lower Darling

High security	100%
General security	25%

South Australia - Murray Valley

High security	25%
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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>