



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 22 JULY 2009

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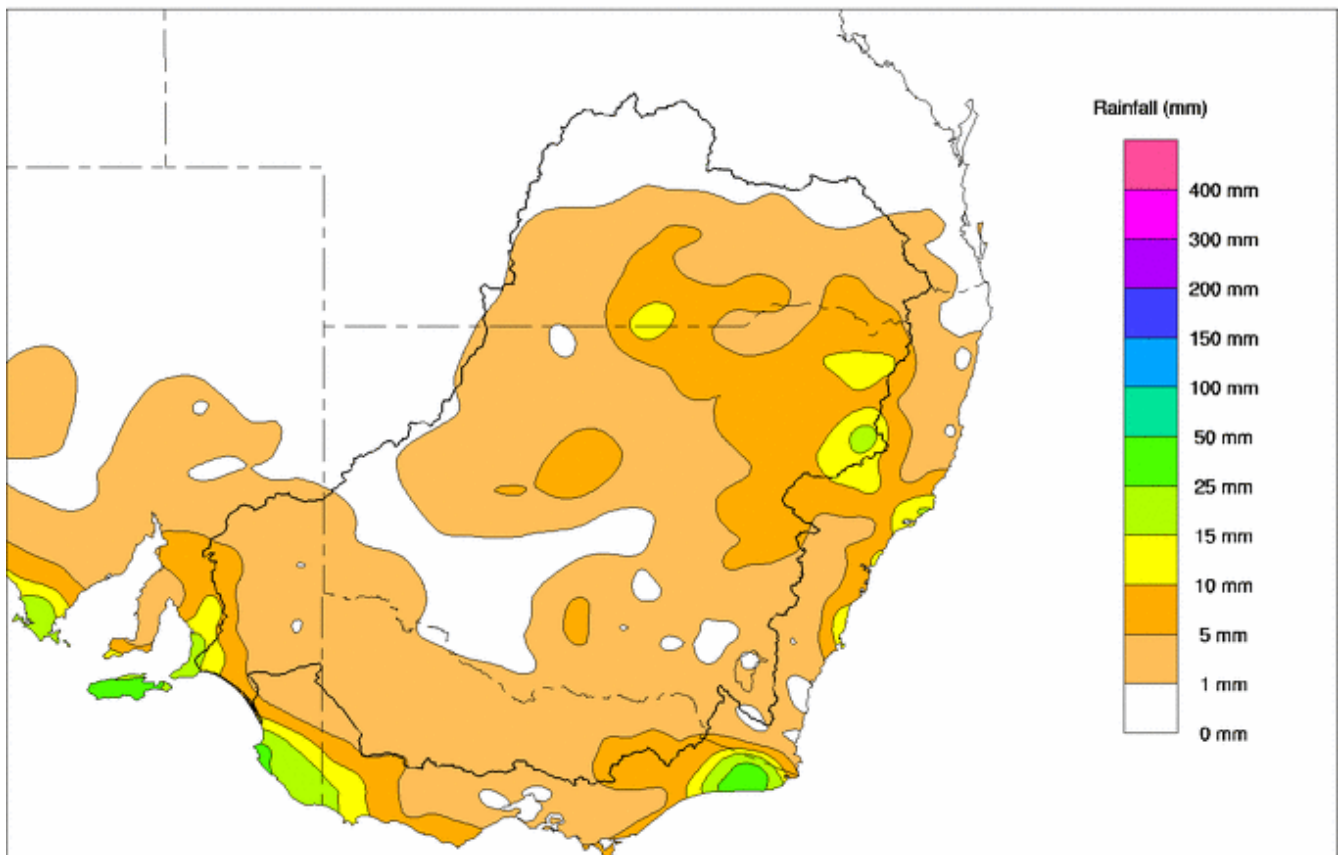
Rainfall and Inflows

For the week ending 22nd July 2009, there were only light falls of rain across the Murray-Darling Basin, with most areas receiving 0 to 10 mm (see Map).

In response to the relatively dry weather, streamflows in the upper Murray and its tributaries have been steadily receding. For instance, at Rocky Point on the Ovens River, the flow has receded from 4,360 to 2,170 ML/day. Similarly, at Hinnomunjie on the Mitta Mitta River, the flow has gradually receded from 1,180 to 700 ML/day. The catchments however, remain wet and streamflows should respond to future rainfall events.

Murray Darling Rainfall Analysis (mm) Week Ending 22nd July 2009

Product of the National Climate Centre



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River Operations

Storage in Dartmouth Reservoir increased by 7 GL to 871 GL (or 22 % capacity), which is slightly higher than this time last year (722 GL). The Dartmouth release (at Colemans gauge) remains at the normal minimum of 200 ML/day. Storage in Hume Reservoir increased by 40 GL to 466 GL (or 15 % capacity), which is slightly lower than this time last year (591 GL). The Hume release also remains at the normal minimum, which is 600 ML/day. The flow at Doctors Point (near Albury) has varied between 1,500 and 2,280 ML/day, depending on inflows from the Kiewa River.

The refilling of Lake Mulwala is continuing, and during the past week the water level increased by 1.3 m to 122.8 m AHD (or 2.1 m below Full Supply Level). The water level is now sufficiently high for diversions along the Mulwala Canal to commence, and this will allow Murray Irrigation Limited to start refilling its channel system. The release from Yarrawonga Weir has been increased from 1,500 to 1,800 ML/day, which is the normal minimum.

The small pulse of water moving through the mid-Murray has now passed Torrumbarry Weir and the release has dropped from a peak of 6,500 ML/day to 2,150 ML/day. During the coming week, the weir pool level will be temporarily lowered by about 2 cm/day to provide some variability in the water level for environmental benefits. The pulse of water in the Murray is now arriving at Euston Weir, where the release has increased from 3,300 to 5,850 ML/day.

Storage in Menindee Lakes (which remains under NSW control) increased by 5 GL to 247 GL (or 14 % capacity). Upstream of the Lakes, the flow at Wilcannia is 480 ML/day and continues to gradually recede.

Storage in Lake Victoria increased by 7 GL to 267 GL (or 39 % capacity), which is slightly lower than this time last year (307 GL). The target flow to South Australia remains steady at 1,800 ML/day.

The water level in Lake Alexandrina is about -0.81 m AHD (or 1.56 m below FSL) and continues to gradually rise in response to recent rainfall, inflows from local streams, as well as inflows from the Murray (the flow past Lock 1 is currently averaging 1,050 ML/day).

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 22 Jul 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	418.78	871	22%	80	791	+7
Hume Reservoir	192.00	3 038	172.85	466	15%	30	436	+40
Lake Victoria	27.00	677	23.20	267	39%	100	167	+7
Menindee Lakes		1 731 *		247	14%	(- -) #	0	+5
Total		9 352		1 850	20%	--	1 394	+58

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **16%**

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	394	38%	3	391	+2
Blowering Reservoir	1 631	626	38%	24	602	+29
Eildon Reservoir	3 334	539	16%	100	439	+30

Snowy Mountains Scheme

Snowy diversions for week ending 21-Jul-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	443	n/a	Snowy-Murray	+13	198
Snowy-Murray Component	270	-	Tooma-Tumut	+6	58
Target Storage	1 170		Nett Diversion	6.9	140
			Murray 1 Release	+17	255

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)	0.0	.0	Yarrowonga Main Channel (net)	0.0	0
Wakool Sys Allowance	0.0	-.3	Torrumbarry System + Nyah (net)	0.0	0
Western Murray Irrig.	0.1	.1	Sunraysia Pumped Districts	0.0	0
Licensed Pumps	0.5	2.7	Licensed pumps - GMW (Nyah+u/s)	0.0	0
Lower Darling	0.0	.1	Licensed pumps - LMW	0.8	2
TOTAL	0.6	2.6	TOTAL	0.8	2

* 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	109 *	(1 800 ML/day)
Flow this week	12.5	
Flow so far this month	40	
Flow last month	52	

* Reduced to approx. 56 GL during July drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2008
Swan Hill	70	70	60
Euston	110	110	100
Red Cliffs	150	140	120
Merbein	110	110	120
Burtundy (Darling)	360	380	450
Lock 9	160	140	190
Lake Victoria	200	200	260
Berri	420	440	350
Waikerie	-	-	470
Morgan	430	430	500
Mannum	570	590	620
Murray Bridge	720	710	650
Milang (Lake Alex)	5 380	5 480	4 600
Poltalloch (Lake Alex)	4 540	4 550	4 250
Meningie (Lake Alb.)	7 640	7 860	7 920
Goolwa Barrages	21 040	20 350	23 870

Week ending Wednesday 22 Jul 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	-	-	-	960	F	3 020	3 760
Jingellic	4.0	1.38	207.90	2 320	F	5 030	5 010
Tallandoon (Mitta Mitta River)	4.2	1.39	218.28	470	F	520	520
Heywoods	5.5	1.21	154.84	600	S	600	600
Doctors Point	5.5	1.53	150.00	1 500	F	1 840	1 660
Albury	4.3	0.71	148.15	-	-	-	-
Corowa	7.0	0.61	126.63	1 770	F	2 030	1 690
Yarrowonga Weir (d/s)	6.4	0.31	115.35	1 820	S	1 590	3 410
Tocumwal	6.4	0.72	104.56	1 840	R	1 830	4 980
Torrumbarry Weir (d/s)	7.3	0.84	79.39	1 870	F	2 740	5 230
Swan Hill	4.5	0.73	63.65	2 930	F	4 670	3 150
Wakool Junction	8.8	2.15	51.27	4 890	F	5 320	3 140
Euston Weir (d/s)	8.8	1.31	43.15	5 800	F	4 750	3 470
Mildura Weir (d/s)	-	-	-	3 890	F	3 280	3 130
Wentworth Weir (d/s)	7.3	2.85	27.61	3 540	S	3 040	2 880
Rufus Junction	-	2.45	19.38	1 150	S	1 140	1 150
Blanchetown (Lock 1 d/s)	-	-0.75	-	1 060	S	1 050	1 050
Tributaries							
Kiewa at Bandiana	2.7	1.37	154.60	1 100	F	1 620	1 460
Ovens at Wangaratta	11.9	8.73	146.41	2 900	F	3 790	2 540
Goulburn at McCoys Bridge	9.0	1.09	92.51	330	S	310	320
Edward at Stevens Weir (d/s)	-	0.31	80.09	110	F	270	240
Edward at Liewah	-	0.66	56.04	270	F	290	340
Wakool at Stoney Crossing	-	1.04	54.53	10	S	20	20
Murrumbidgee at Balranald	5.0	0.46	56.42	220	R	180	170
Barwon at Mungindi	-	3.37	-	330	S	360	470
Darling at Bourke	-	1.35	-	0	F	500	770
Darling at Burtundy Rocks	-	0.62	-	10	F	10	20

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	5 890	5 040
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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	-2.07	-	No. 7 Rufus River	22.10	-0.03	+0.15
No. 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	-0.09	-0.03
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.05	+0.05
No. 11 Mildura	34.40	+0.01	+0.06	No. 4 Bookpurnong	13.20	+0.03	+0.19
No. 10 Wentworth	30.80	+0.00	+0.21	No.3 Overland Corner	9.80	+0.05	+0.20
No. 9 Kulnine	27.40	+0.01	-0.03	No. 2 Waikerie	6.10	+0.14	+0.10
No. 8 Wangumma	24.60	+0.00	+0.05	No 1. Blanchetown	3.20	+0.09	-1.50

Murrumbidgee	FSL (mAHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.80	0.61	69.96	258
No. 5 Redbank	66.90	-0.43	0.11	61.41	237

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.81

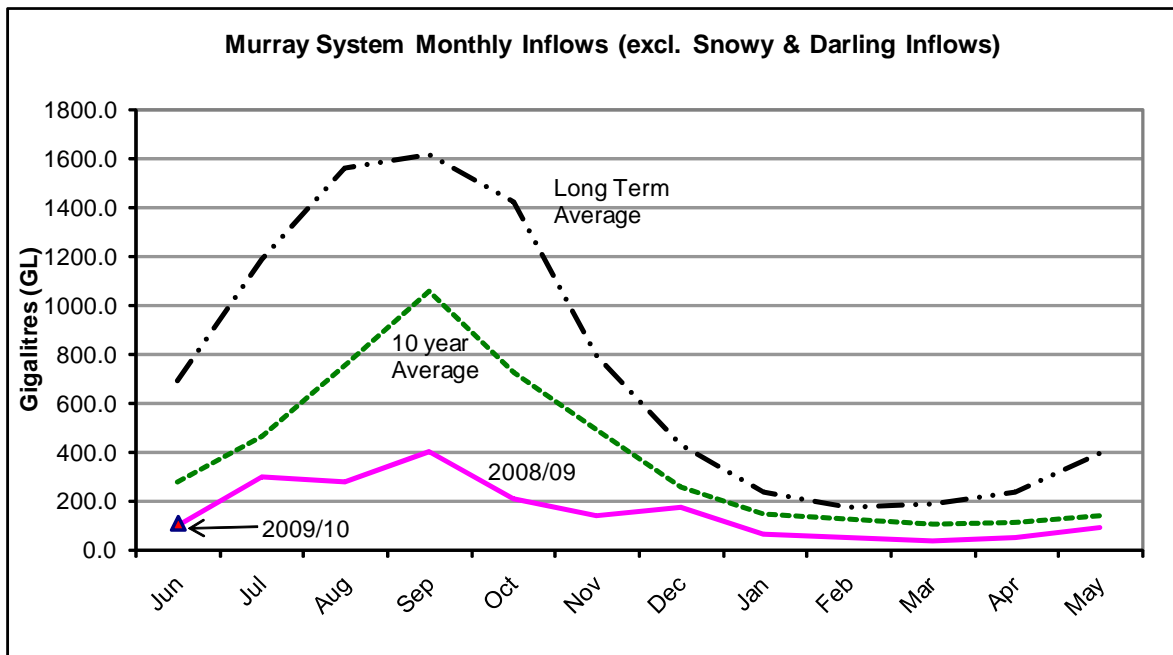
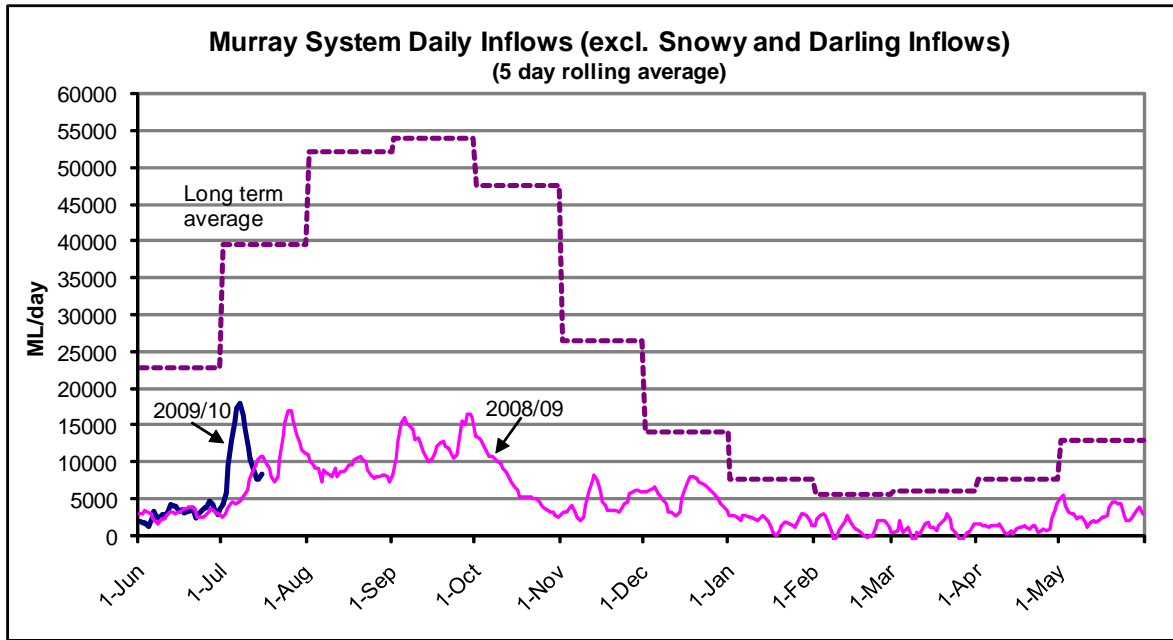
Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	-0.81	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



Week ending Wednesday 15th July 2009



State Allocations (as at 15th July 2009)

NSW - Murray Valley

High security	3%
General security	0%

Victoria - Murray Valley

high reliability	0%
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NSW - Murrumbidgee Valley

High security	0%
General security	0%

Victoria - Goulburn Valley

high reliability	0%
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NSW - Lower Darling

High security	100%
General security	0%

South Australia - Murray Valley

High security	2%
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