



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 15 JULY 2009

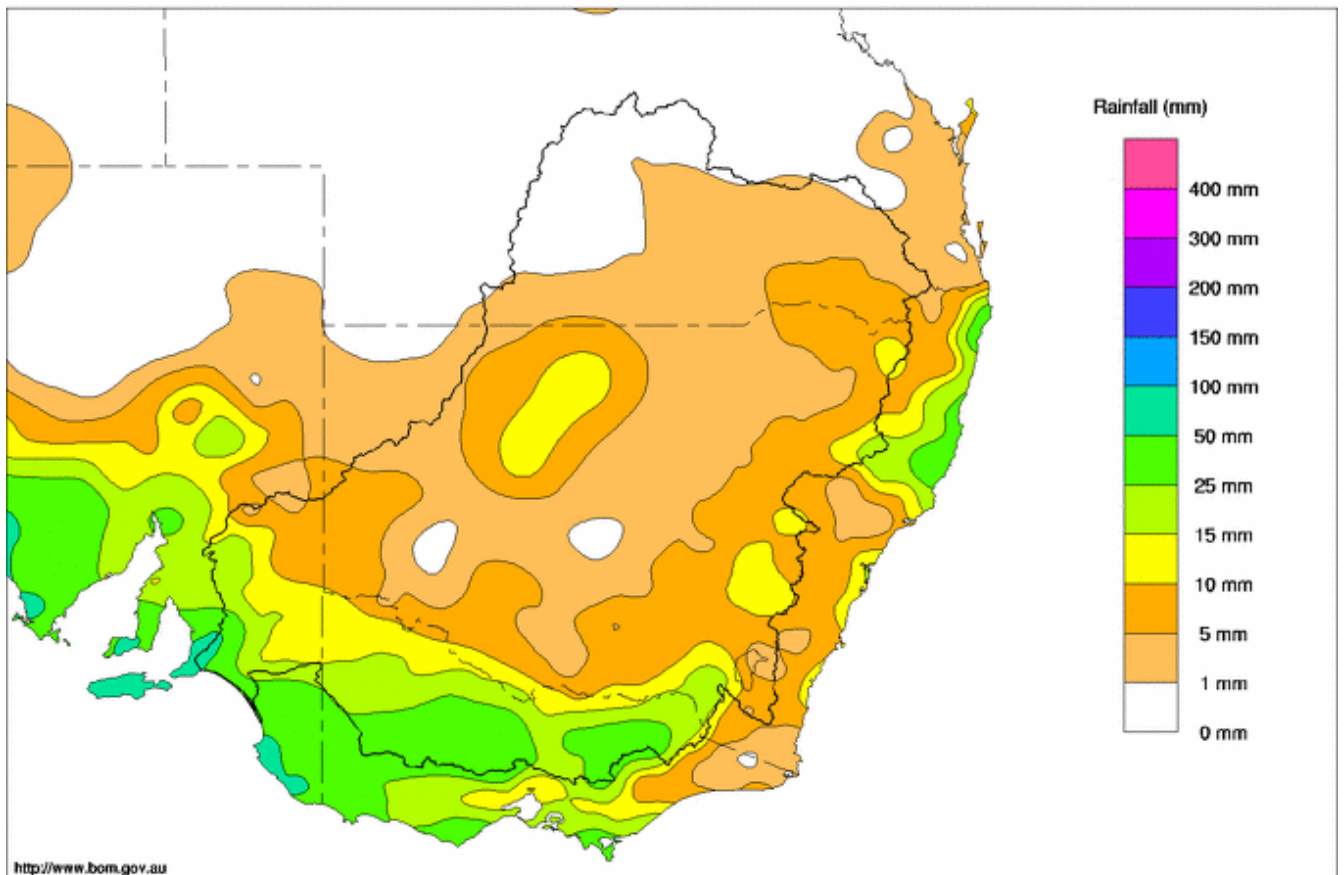
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Rainfall and Inflows

The southern Basin has received more good falls of rain, particularly on the western side of the Adelaide Hills where Mt Compass received 109 mm and Mt Barker 81 mm. The Lower Lakes at Hindmarsh Island also received 25 mm. In Victoria, the Ovens River catchment received up to 70 mm and this generated another response in streamflow, with the flow at Rocky Point rising from 1,580 to 4,360 ML/day. The Snowy Mountains in southern NSW received less rainfall (up to 30 mm) and the flow at Biggara on the upper Murray increased from 400 to only 600 ML/day.

For the first half of July, Murray System inflows were about 180 GL, which already exceeds the historical low for July of 135 GL (in 2006) but is still tracking well below the July long term average of 1,190 GL.

Murray Darling Rainfall Analysis (mm) Week Ending 15th July 2009
Product of the National Climate Centre



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River Operations

MDBA active (useable water) storage is currently 1,341 GL (or 16 % capacity) and has increased by 250 GL in the past 4 weeks. Total storage in Dartmouth Reservoir increased by 7 GL to 864 GL (22 % capacity) and storage in Hume Reservoir increased by 39 GL to 427 GL (14 % capacity). Releases from Dartmouth and Hume Dams remain at their normal minimums of 200 and 600 ML/day respectively. The flow at Doctors Point (near Albury) has ranged between 1,350 and 2,280 ML/day in response to varying inflows from the Kiewa River.

The refilling of Lake Mulwala has commenced, and during the past week the water level increased by 1.1 m to 121.5 m AHD (or 3.4 m below Full Supply Level). A similar rate of rise is expected during the coming week, but will depend on inflows from the Ovens and Kiewa Rivers. To assist with the refilling of the Lake, the release from Yarrowonga Weir has been temporarily reduced to 1,500 ML/day which is below the normal minimum of 1,800 ML/day.

During the past week a small pulse of water arrived at Torrumbarry Weir and the release was increased from 2,500 ML/day to a peak of 6,500 ML/day. This water, which originated from a rise in tributary inflows from the Ovens and Kiewa Rivers in early July, will continue to move downstream and is expected to arrive at Euston Weir during the coming week.

NSW State Water is raising the pool level in Stevens Weir in preparation to deliver stock and domestic water into the Wakool Irrigation District. The water is being delivered via the Edward and Gulpa offtakes and has utilised the recent increase in streamflow along the mid-Murray.

Storage in Menindee Lakes (which remains under NSW control) increased by 5 GL to 242 GL (or 14 % capacity). Upstream of the Lakes, the flow at Wilcannia is 570 ML/day and is gradually receding. Downstream of the Lakes, the flow at Weir 32 is steady at about 60 ML/day.

Storage in Lake Victoria increased by 10 GL to 260 GL (38 % capacity) and the target flow to South Australia remains unchanged at 1,800 ML/day. The flow past Lock 1 also remains steady at an average of 1,050 ML/day. The water level in Lake Alexandrina is about -0.87 m AHD (or 1.62 m below FSL) and has been very gradually rising over the last couple of months after reaching an historic low of about -1.05 m AHD in April 2009.

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 15 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	418.53	864	22%	80	784	+7
Hume Reservoir	192.00	3 038	172.33	427	14%	30	397	+39
Lake Victoria	27.00	677	23.14	260	38%	100	160	+10
Menindee Lakes		1 731 *		242	14%	(- -) #	0	+5
Total		9 352		1 793	19%	--	1 341	+60

* 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		393	38%	3	390	+3
Blowering Reservoir	1 631		597	37%	24	573	+22
Eildon Reservoir	3 334		509	15%	100	409	+29

Snowy Mountains Scheme

Snowy diversions for week ending 14-Jul-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	432	N/A	Snowy-Murray	+13	185
Snowy-Murray Component	278	N/A	Tooma-Tumut	+5	52
Target Storage	1 170		Nett Diversion	8.8	133
			Murray 1 Release	+22	237

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	-0.1	-.3	Torrumbary System + Nyah (net)	0.0	0
Western Murray Irrig.	0.0	.1	Sunraysia Pumped Districts	0.3	0
Licensed Pumps	1.0	2.2	Licensed pumps - GMW (Nyah+u/s)	0.0	0
Lower Darling	0.0	.1	Licensed pumps - LMW	0.0	1
TOTAL	0.9	2.0	TOTAL	0.3	1

* 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	12.6	
Flow so far this month	27	
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	120	130	100
Red Cliffs	140	140	120
Merbein	110	120	120
Burtundy (Darling)	380	370	450
Lock 9	130	130	190
Lake Victoria	220	190	260
Berri	450	420	350
Waikerie	-	-	470
Morgan	440	430	500
Mannum	590	590	620
Murray Bridge	730	710	650
Milang (Lake Alex)	5 510	5 420	4 580
Poltalloch (Lake Alex)	4 390	4 590	4 250
Meningie (Lake Alb)	8 090	8 320	7 930
Goolwa Barrages	25 050	24 110	23 950

Week ending Wednesday 15 Jul 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)				
River Murray							
Khancoban	-	-	-	4 610	F	3 520	4 000
Jingellic	4.0	1.82	208.34	5 790	R	5 010	7 320
Tallandoon (Mitta Mitta River)	4.2	1.50	218.39	670	R	520	870
Heywoods	5.5	1.19	154.82	600	S	600	600
Doctors Point	5.5	1.72	150.19	2 280	R	1 660	2 570
Albury	4.3	0.81	148.25	-	-	-	-
Corowa	7.0	0.58	126.60	1 680	F	1 690	2 070
Yarrawonga Weir (d/s)	6.4	0.22	115.26	1 500	S	3 410	4 990
Tocumwal	6.4	0.82	104.66	2 180	F	4 980	3 620
Torrumbarry Weir (d/s)	7.3	1.91	80.46	5 630	F	5 230	2 450
Swan Hill	4.5	1.05	63.97	4 880	R	3 150	2 380
Wakool Junction	8.8	1.79	50.91	3 570	R	3 140	3 060
Euston Weir (d/s)	8.8	0.79	42.63	3 330	S	3 470	3 440
Mildura Weir (d/s)	-	-	-	3 150	F	3 130	3 290
Wentworth Weir (d/s)	7.3	2.84	27.60	2 840	S	2 880	3 200
Rufus Junction	-	2.45	19.38	1 150	S	1 150	1 190
Blanchetown (Lock 1 d/s)	-	-0.75	-	1 060	S	1 050	970
Tributaries							
Kiewa at Bandiana	2.7	1.88	155.11	2 050	R	1 460	2 480
Ovens at Wangaratta	11.9	9.20	146.88	4 400	R	2 540	4 540
Goulburn at McCoys Bridge	9.0	1.11	92.53	360	R	320	320
Edward at Stevens Weir (d/s)	-	0.66	80.43	400	F	240	230
Edward at Liewah	-	0.76	56.14	320	F	340	440
Wakool at Stoney Crossing	-	1.06	54.55	20	S	20	30
Murrumbidgee at Balranald	5.0	0.40	56.36	170	S	170	180
Barwon at Mungindi	-	3.40	-	440	S	470	430
Darling at Bourke	-	4.17	-	690	S	770	950
Darling at Burtundy Rocks	-	0.64	-	10	F	20	30

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	5 040	13 040
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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
Yarrawonga	124.90	-3.43	-	No. 7 Rufus River	22.10	-0.03	+0.15
No 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	-0.09	-0.02
No. 15 Euston	47.60	-0.03	-	No. 5 Renmark	16.30	+0.04	+0.07
No. 11 Mildura	34.40	+0.03	+0.03	No. 4 Bookpurnong	13.20	+0.03	+0.21
No. 10 Wentworth	30.80	+0.00	+0.20	No.3 Overland Corner	9.80	+0.05	+0.18
No. 9 Kulnine	27.40	+0.02	-0.03	No. 2 Waikerie	6.10	+0.11	+0.10
No. 8 Wangumma	24.60	+0.00	+0.07	No 1. Blanchetown	3.20	+0.08	-1.50

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	N/A	-	-	N/A
No. 5 Redbank	66.90	N/A	-	-	N/A

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.87

Barrages

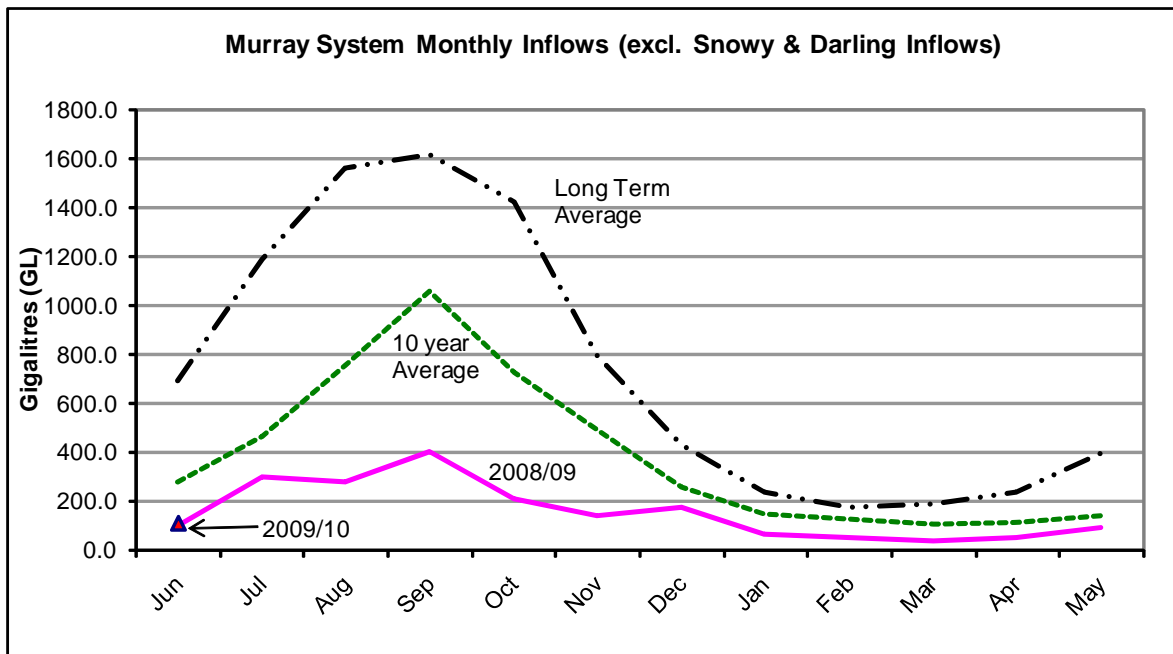
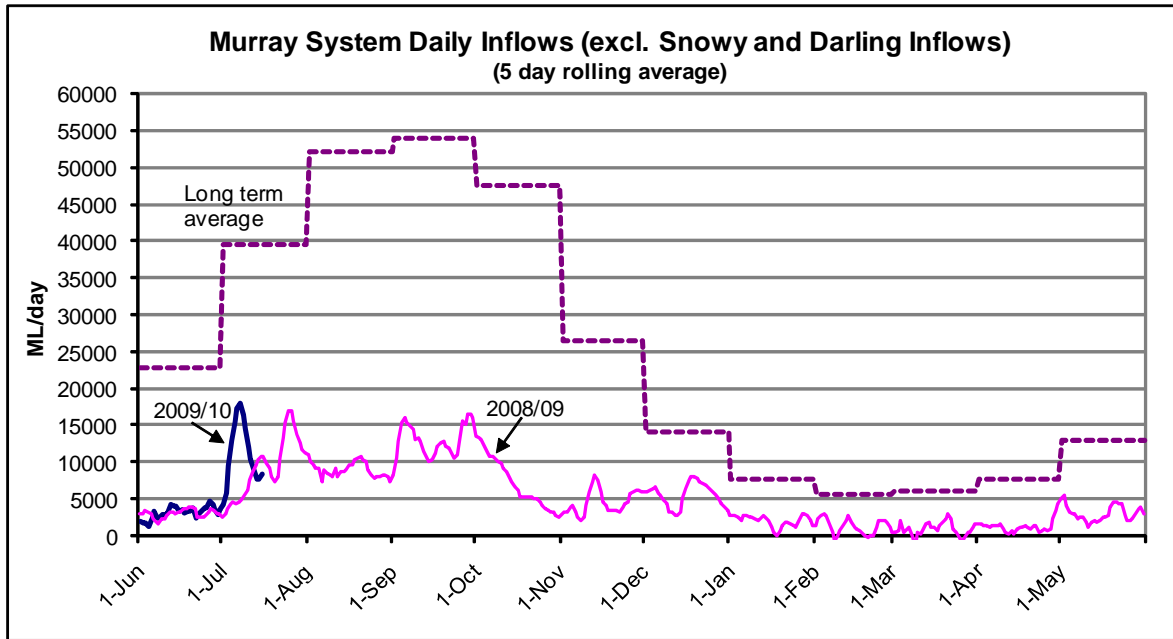
Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	-0.85	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

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



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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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>