



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 14 OCTOBER 2009

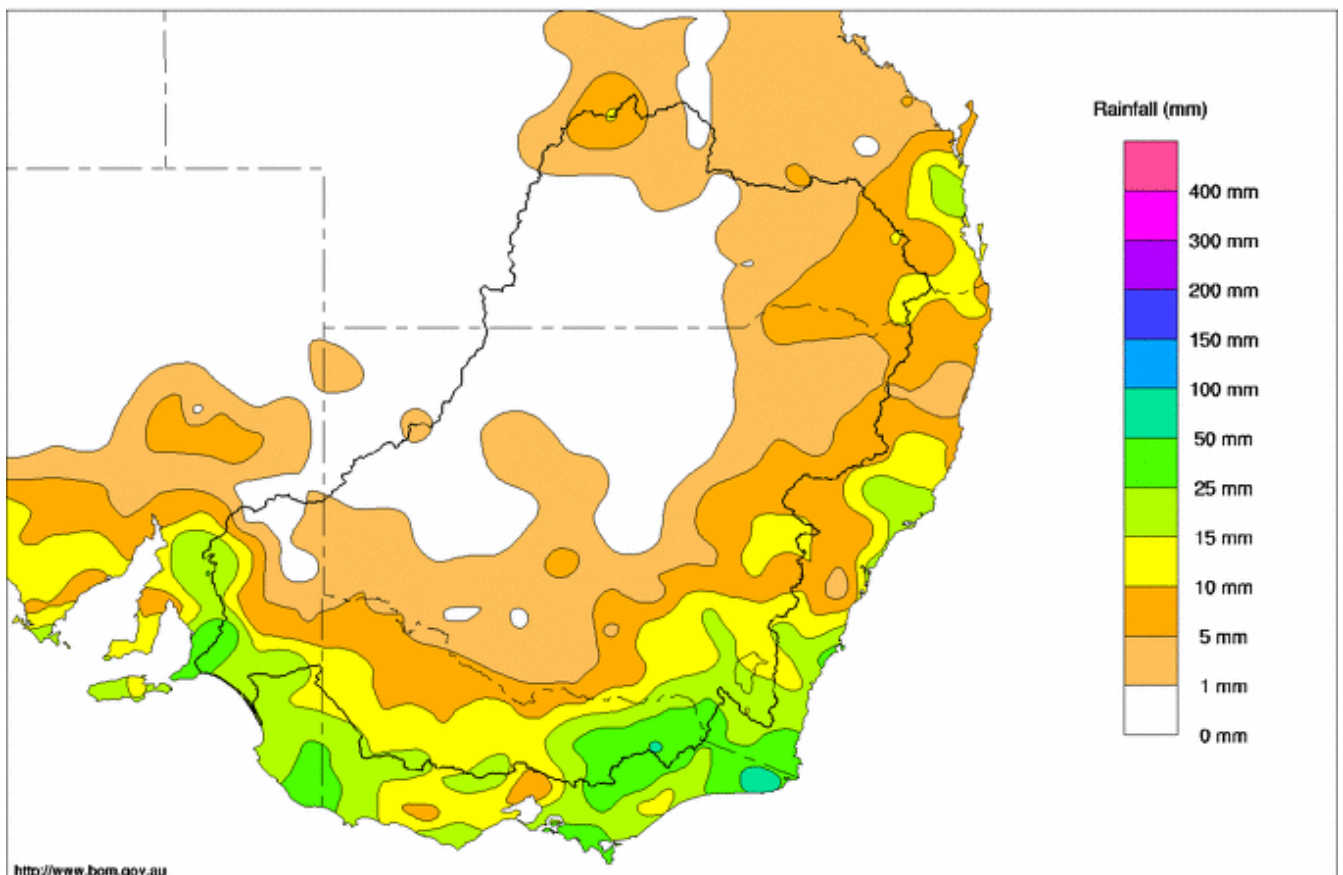
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Rainfall and Inflows

Rain falling at the beginning and end of the week to 14 October resulted in some good totals across the southern Murray-Darling Basin, with the higher falls typically occurring in the Snowy Mountains and Victorian Alps. For example 85 mm fell at Thredbo and 87 mm at Mt Buffalo. As a result, stream flows in the upper catchment remained steady before receding through the week until increases took place on the 14th as rain returned to the region. For instance, the flow at Rocky Point on the Ovens River declined from around 4,600 ML/day at the start of the week but has now risen above 6,000 ML/day; and at Mongans Bridge on the Kiewa River, the flow began the week at around 2,500 ML/day and was receding but has now increased to over 4,000 ML/day.

Murray Darling Rainfall Analysis (mm) Week Ending 14th October 2009

Product of the National Climate Centre



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River Operations

MDBA active storage increased by 93 GL to 2,326 GL (27% capacity), which is higher than levels over the last two years, but remains well below the long term average for October of 6,530 GL.

Storage in Dartmouth Reservoir increased by 25 GL to 1,111 GL (28% capacity) and the release remains at the normal minimum of 200 ML/day. Storage in Hume Reservoir increased by 51 GL to 1,109 GL (37 % capacity). The Hume release was increased from 600 ML/day at the start of the week to 4,200 ML/day to meet downstream requirements, however the release will be reduced over the coming days as increased inflows from the Kiewa and Ovens Rivers reach the Murray.

During the past week the water level at Lake Mulwala has lowered from around 124.87 m AHD (just below Full Supply Level) to 124.67 m AHD. During the coming week, higher inflows from the Ovens and Kiewa Rivers are expected to raise the level back closer to the Full Supply Level. The release from Yarrowonga Weir has been reduced from around 10,500 to 9,500 ML/day during the week, and should stay at least this high over the next few days.

Both the Edward and Gulpa off-takes remain open with water flowing into the Edward-Wakool system. At Stevens Weir on the Edward River, releases have declined steadily through the week from around 2,000 ML/day to around 1,300 ML/day. The flow into the Wakool system has progressed well beyond the Wakool-Barham Road on the Wakool River and has also passed the Barham-Moulamein Road on the Niemur River.

At Torrumbarry Weir, the release has decreased during the week from 8,700 to 7,400 ML/day as flows from upstream have declined slightly. An increase in diversions to National Channel will result in a further decline in flows downstream the Torrumbarry weir pool over the coming days.

Further downstream, higher flows have now arrived at Euston Weir, with releases increasing from 6,400 to 9,600 ML/day, and also at Mildura, with releases increasing from 4,800 to 7,000 ML/day. Flows through this part of the river should continue increasing, with a high flow reaching Euston over the coming days, and flows increasing through Mildura during the next week.

Storage in Menindee Lakes (which remains under NSW control) decreased by 6 GL to 207 GL (12% capacity). Flows along the Darling River and across the northern basin remain very low with the period of very low rainfall continuing.

Storage in Lake Victoria increased by 17 GL reaching 315 GL (47% capacity), and should continue rising over the coming weeks. The average flow to South Australia was about 2,200 ML/day during the last week, and the flow past Lock 1 averaged around 1,100 ML/day. The flow to South Australia is expected to increase over the coming week to around 2,600 ML/day.

The weir pool levels at Locks 1 to 5 all remain at or above Full Supply Level, with Lock 6 slightly below Full Supply Level. Lake Alexandrina's water level is currently at -0.77 m AHD (1.5 m below FSL) and the water level at Lake Albert has decreased slightly from -0.21 to -0.26 m AHD.

As a result of recent inflows, South Australia, Victoria, and New South Wales have all increased their water allocations for the River Murray system (see page 6 for details).

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 14 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	427.28	1 111	28%	80	1 031	+25
Hume Reservoir	192.00	3 038	179.58	1 109	37%	30	1 079	+51
Lake Victoria	27.00	677	23.67	315	47%	100	215	+17
Menindee Lakes		1 731 *		207	12%	(- -) #	0	-6
Total		9 352		2 742	29%	--	2 325	+87

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **27%**

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		426	42%	3	423	+1
Blowering Reservoir	1 631		652	40%	24	628	+3
Eildon Reservoir	3 334		1 010	30%	100	910	+33

Snowy Mountains Scheme

Snowy diversions for week ending 13-Oct-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	1 119	n/a	Snowy-Murray	+3	260
Snowy-Murray Component	549	-	Tooma-Tumut	+9	181
Target Storage	1 400		Nett Diversion	-6.4	79
			Murray 1 Release	+16	425

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)	3.1	46.3	Yarrowonga Main Channel (net)	1.0	21
Wakool Sys Allowance	2.1	3.9	Torrumbarry System + Nyah (net)	3.4	30
Western Murray Irrig.	0.5	2.7	Sunraysia Pumped Districts	2.1	11
Licensed Pumps	1.4	16.6	Licensed pumps - GMW (Nyah+u/s)	0.2	1
Lower Darling	0.2	1.1	Licensed pumps - LMW	6.3	34
TOTAL	7.2	70.5	TOTAL	12.9	97

* 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	15.3	(2 200 ML/day)
Flow so far this month	33	
Flow last month	68	

* Reduced to approx. 80 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	70
Euston	80	70	90
Red Cliffs	90	100	120
Merbein	80	80	110
Burtundy (Darling)	610	600	470
Lock 9	150	150	160
Lake Victoria	220	190	220
Berri	440	450	450
Waikerie	-	580	550
Morgan	680	660	560
Mannum	600	590	600
Murray Bridge	700	690	690
Milang (Lake Alex)	4 600	5 320	5 140
Poltalloch (Lake Alex)	4 100	5 090	4 820
Meningie (Lake Alb)	8 840	9 680	9 200
Goolwa Barrages	10 670	11 490	16 910

Week ending Wednesday 14 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	-	-	-	4 610	F	3 670	5 210
Jingellic	4.0	2.15	208.67	8 570	R	8 810	9 970
Tallandoon (Mitta Mitta River)	4.2	1.66	218.55	1 000	R	850	1 260
Heywoods	5.5	1.96	155.59	4 210	R	2 820	600
Doctors Point	5.5	2.27	150.74	6 780	R	5 260	3 670
Albury	4.3	1.26	148.70	-	-	-	-
Corowa	7.0	1.43	127.45	5 190	R	4 230	3 700
Yarrowonga Weir (d/s)	6.4	1.58	116.62	9 440	S	9 700	10 400
Tocumwal	6.4	2.10	105.94	9 160	R	9 500	9 900
Torrumbarry Weir (d/s)	7.3	2.45	81.00	7 430	F	8 210	7 730
Swan Hill	4.5	1.58	64.50	8 370	S	8 160	5 880
Wakool Junction	8.8	3.14	52.26	8 760	R	7 970	5 790
Euston Weir (d/s)	8.8	1.95	43.79	9 590	R	8 100	5 860
Mildura Weir (d/s)	-	-	-	7 610	F	5 750	4 900
Wentworth Weir (d/s)	7.3	3.00	27.76	6 080	R	4 850	4 340
Rufus Junction	-	2.62	19.55	1 960	R	1 630	1 810
Blanchetown (Lock 1 d/s)	-	-0.37	-	970	F	1 070	1 240
Tributaries							
Kiewa at Bandiana	2.7	1.93	155.16	2 170	R	2 500	4 580
Ovens at Wangaratta	11.9	9.00	146.68	3 720	R	4 190	8 170
Goulburn at McCoys Bridge	9.0	1.04	92.46	270	S	390	870
Edward at Stevens Weir (d/s)	-	1.55	81.32	1 370	S	1 520	1 920
Edward at Liewah	-	2.24	57.62	1 610	R	1 300	910
Wakool at Stoney Crossing	-	1.06	54.55	30	R	30	20
Murrumbidgee at Balranald	5.0	1.42	57.38	970	F	980	920
Barwon at Mungindi	-	2.92	-	0	F	0	0
Darling at Bourke	-	3.82	-	0	F	0	0
Darling at Burtundy Rocks	-	0.66	-	40	S	30	40

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	13 590	17 570
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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	-0.23	-	No. 7 Rufus River	22.10	-0.11	+0.30
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.11	-0.03
No. 15 Euston	47.60	+0.02	-	No. 5 Renmark	16.30	+0.02	+0.07
No. 11 Mildura	34.40	+0.00	+0.25	No. 4 Bookpurnong	13.20	+0.02	+0.30
No. 10 Wentworth	30.80	+0.02	+0.36	No.3 Overland Corner	9.80	+0.11	+0.12
No. 9 Kulnine	27.40	-0.01	+0.01	No. 2 Waikerie	6.10	+0.00	+0.14
No. 8 Wangumma	24.60	+0.03	+0.04	No 1. Blanchetown	3.20	+0.08	-1.12

Murrumbidgee	FSL (mAHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.93	1.542	70.892	1758
No. 5 Redbank	66.90	-0.19	1.142	62.442	1414

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.77

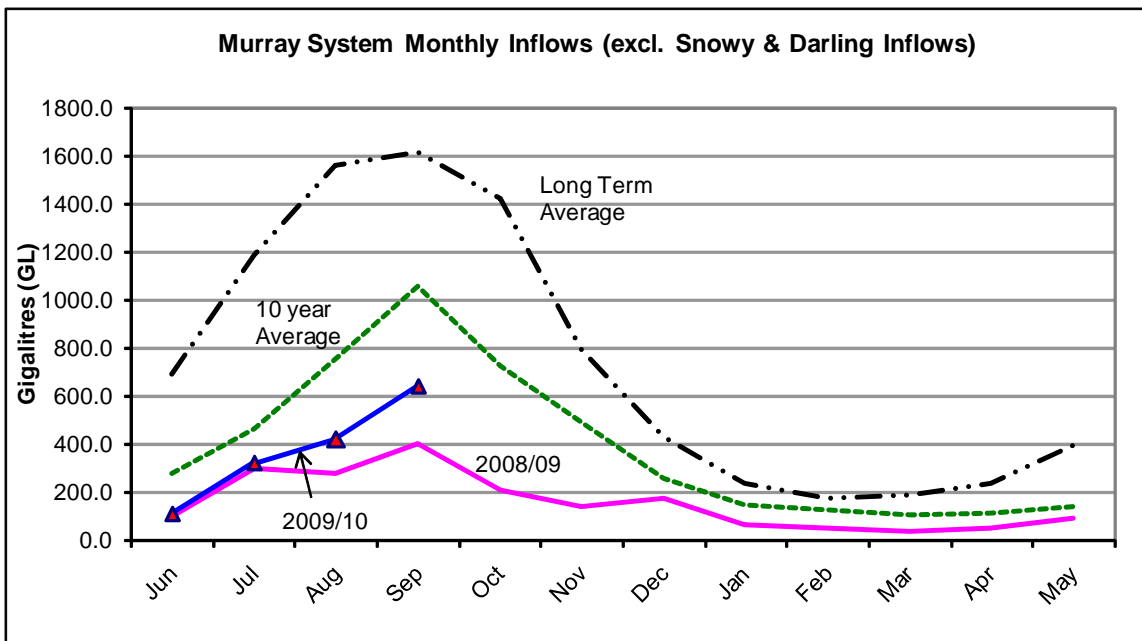
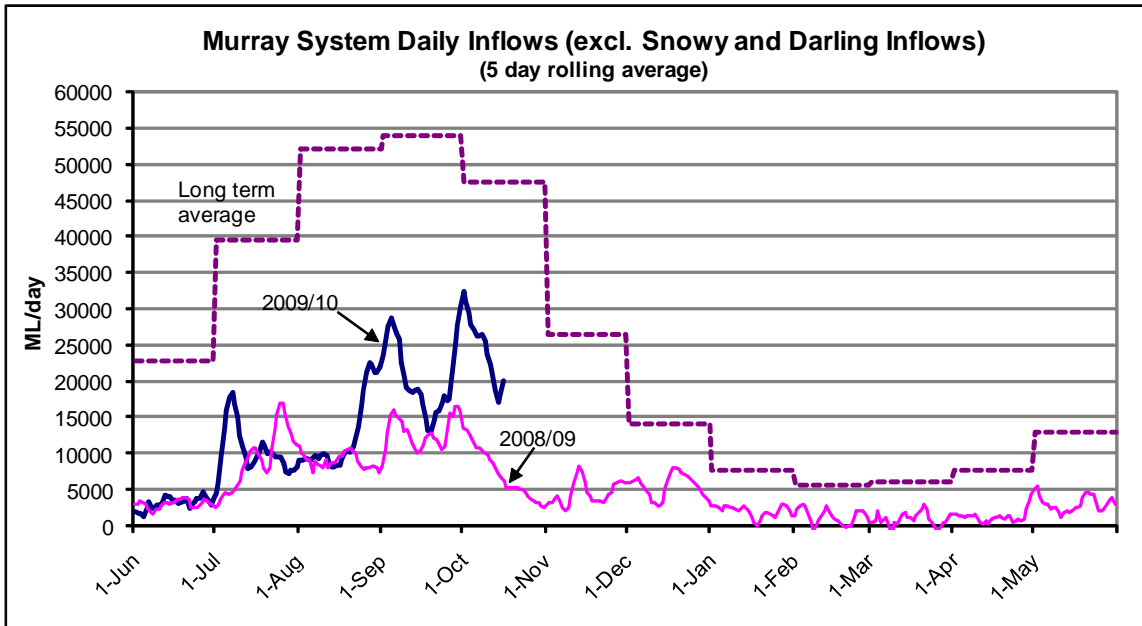
Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.48	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 14th October 2009



State Allocations (as at 15th October 2009)

NSW - Murray Valley

High security	97%
General security	5%

Victoria - Murray Valley

high reliability	37%
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NSW - Murrumbidgee Valley

High security	95%
General security	4%

Victoria - Goulburn Valley

high reliability	33%
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NSW - Lower Darling

High security	100%
General security	25%

South Australia - Murray Valley

High security	34%
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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>