



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 04 NOVEMBER 2009

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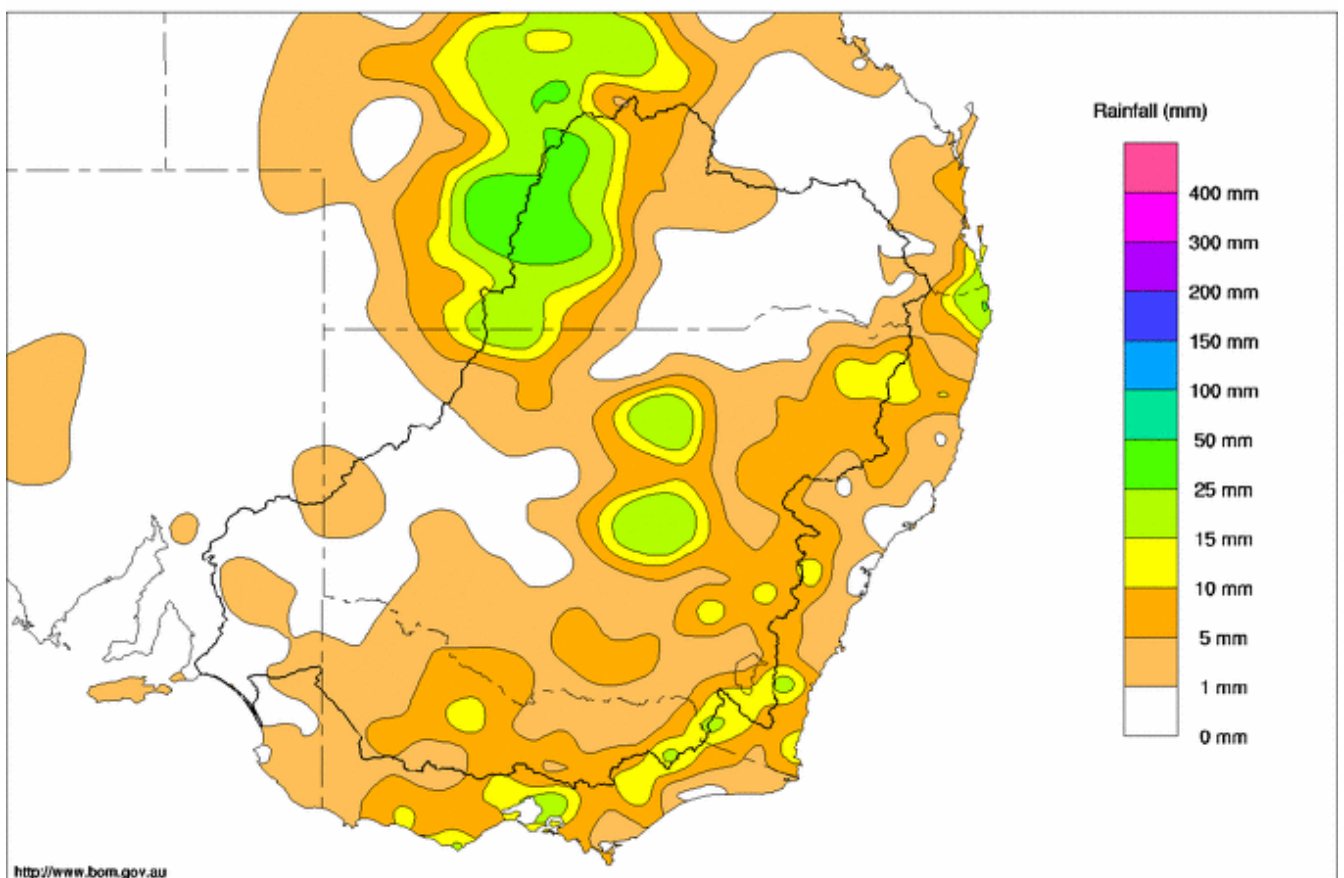
Rainfall and Inflows

Rainfall across the Basin has been generally patchy during the past week with most stations recording totals of less than 10 mm. Higher falls were mainly the result of localised storms, with some of the best totals including 51 mm at Biggara and 34 mm at Hinnomunjie in the Australian Alps, 46 mm at Young on the NSW south-west slopes and 43 mm at Mt Ginini in the Brindabella Ranges.

The relatively dry conditions along with warming temperatures resulted in continued streamflow recessions in most of the upper catchment. For example Rocky Point on the Ovens River has receded from 2,310 ML/day to 1,940 ML/day, while Biggara on the Upper Murray is now flowing at 1,240 ML/day after peaking at over 3,500 ML/day during the middle of October.

Total Murray System inflows for October benefitted from higher rainfall than had been received in the last three years and reached 695 GL by the end of the month. However, this total is significantly below the long term average for October of 1,400 GL.

Murray Darling Rainfall Analysis (mm) Week Ending 4th November 2009
Product of the National Climate Centre



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Issued: 04/11/2009



River Operations

MDBA active storage increased by 9 GL to 2,573 GL (30% of active capacity).

Storage in Dartmouth Reservoir increased by 15 GL to 1,192 GL (31% capacity) and the release remains at the normal minimum of 200 ML/day.

Storage in Hume Reservoir has decreased slightly since last week after reaching a peak of 1,227 GL on 2 November. This is mainly a result of higher releases, which have now been increased to around 12,700 ML/day to meet downstream requirements. The lake is now holding around 1,220 GL of water (40% capacity).

The release from Yarrawonga Weir has been increased from 10,000 to 10,300 ML/day during the week and is likely to remain at this level over the coming week. Increasing diversions and losses have resulted in the water level at Lake Mulwala lowering from 124.74 to 124.60 m AHD (30 cm below FSL) over the last week. The level is expected to rise back towards 124.70 m AHD later in the coming week as higher flows from Hume Dam arrive.

At Stevens Weir on the Edward River, the release has been increased from 870 to 2,350 ML/day over the past week as higher flows arrived via the Edward Escape. The weir will be targeting a release of 2,200 ML/day in the coming weeks. To provide higher flows to Lake Victoria, extra water is being diverted along Mulwala Canal to the Edward River, bypassing channel restrictions through the Barmah Choke. The weir pool is now stabilising around the 4.50 m level, after being raised to enable water to flow down the Wakool River.

The release from Torrumbarry Weir is currently around 6,100 ML/day and is expected to gradually rise to around 7,500 ML/day over the coming week.

Downstream at Euston Weir, the release is around 5,600 ML/day and is expected to stay at this level for a few days before gradually increasing later in the week. At Mildura Weir the release is around 4,500 ML/day and should remain fairly steady over the coming week.

Storage in Menindee Lakes (which remains under NSW control) decreased by 6 GL to 189 GL (11% capacity) and inflows from upstream of the Lakes remain at zero.

Storage in Lake Victoria remained almost steady during the week and is currently at 371 GL (55 % capacity). The lake level is expected to decline slightly over the coming weeks. The flow to South Australia has been increased to 4,000 ML/day in response to higher losses and diversions associated with hot weather, and will most likely be increased further during November.

Further downstream, the weir pool levels at Locks 2 to 6 are all slightly below FSL, while Lock 1 is at full supply and the flow there has averaged 1,180 ML/day during the past week. The flow is expected to rise towards 1,600 ML/day over the coming week.

The water level in Lake Alexandrina is around -0.76 m AHD (or 1.51 m below FSL) compared with around -0.34 m AHD 12 months ago. The water level in Goolwa Channel (which is currently separated from Lake Alexandrina) has now reached the target level of +0.70 m AHD.

The water level in Lake Albert has decreased slightly during the past week and is currently about -0.34 m AHD.

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 04 Nov 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	429.87	1 192	31%	80	1 112	+15
Hume Reservoir	192.00	3 038	180.53	1 220	40%	30	1 190	-2
Lake Victoria	27.00	677	24.23	371	55%	100	271	+1
Menindee Lakes		1 731 *		189	11%	(- -) #	0	-6
Total		9 352		2 972	32%	- -	2 573	+9

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **30%**

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		447	44%	3	444	+5
Blowering Reservoir	1 631		641	39%	24	617	+4
Eildon Reservoir	3 334		1 116	33%	100	1 016	+12

Snowy Mountains Scheme

Snowy diversions for week ending 03-Nov-2009

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2009
Lake Eucumbene - Total	1 279	+34	Snowy-Murray	+13	283
Snowy-Murray Component	811	+210	Tooma-Tumut	+2	204
Target Storage	1 450		Nett Diversion	10.6	79
			Murray 1 Release	+17	480

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)	8.1	69.7	Yarrowonga Main Channel (net)	4.9	39
Wakool Sys Allowance	2.1	9.7	Torrumbury System + Nyah (net)	13.5	79
Western Murray Irrig.	0.8	4.5	Sunraysia Pumped Districts	3.8	21
Licensed Pumps	2.8	23.8	Licensed pumps - GMW (Nyah+u/s)	2.0	2
Lower Darling	0.3	1.9	Licensed pumps - LMW	6.3	53
TOTAL	14.2	109.6	TOTAL	30.5	194

* 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	180 *	(3 500 ML/day)
Flow this week	24.7	
Flow so far this month	15	
Flow last month	83	

* Reduced to approx. 120 GL during November drought contingency operation

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2009
Swan Hill	60	60	70
Euston	100	100	80
Red Cliffs	80	80	110
Merbein	80	80	100
Burtundy (Darling)	610	630	500
Lock 9	120	120	160
Lake Victoria	190	180	210
Berri	360	370	440
Waikerie	610	610	560
Morgan	680	680	590
Mannum	590	590	600
Murray Bridge	780	760	700
Milang (Lake Alex.)	5 730	5 690	5 170
Poltalloch (Lake Alex.)	4 860	4 830	4 840
Meningie (Lake Alb.)	9 830	10 170	9 260
Goolwa Barrages	10 250	10 730	15 610

Week ending Wednesday 04 Nov 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	-	-	-	5 170	R	5 330	4 290
Jingellic	4.0	1.79	208.31	5 460	F	8 090	8 280
Tallandoon (Mitta Mitta River)	4.2	1.51	218.40	690	F	760	890
Heywoods	5.5	2.81	156.44	12 710	R	8 880	4 680
Doctors Point	5.5	2.99	151.46	14 200	R	10 820	7 070
Albury	4.3	1.96	149.40	-	-	-	-
Corowa	7.0	2.30	128.32	10 420	R	9 380	6 110
Yarrowonga Weir (d/s)	6.4	1.69	116.73	10 310	S	10 190	9 960
Tocumwal	6.4	2.21	106.05	9 940	S	9 780	9 730
Torrumbarry Weir (d/s)	7.3	2.05	80.60	6 110	S	5 470	4 570
Swan Hill	4.5	1.13	64.05	5 350	R	4 470	4 560
Wakool Junction	8.8	2.15	51.27	4 860	S	5 140	6 060
Euston Weir (d/s)	8.8	1.27	43.11	5 610	F	5 890	7 730
Mildura Weir (d/s)	-	-	-	4 630	F	4 900	7 370
Wentworth Weir (d/s)	7.3	2.94	27.70	3 540	R	3 910	6 670
Rufus Junction	-	2.95	19.88	3 520	R	2 950	2 420
Blanchetown (Lock 1 d/s)	-	-0.51	-	1 330	R	1 180	1 200
Tributaries							
Kiewa at Bandiana	2.7	1.77	155.00	1 830	R	1 810	2 690
Ovens at Wangaratta	11.9	8.51	146.19	2 250	F	2 640	4 180
Goulburn at McCoys Bridge	9.0	1.07	92.49	300	F	340	480
Edward at Stevens Weir (d/s)	-	2.23	82.00	2 350	F	1 740	930
Edward at Liewah	-	1.67	57.05	960	F	1 160	1 400
Wakool at Stoney Crossing	-	1.07	54.56	40	S	40	40
Murrumbidgee at Balranald	5.0	1.32	57.28	870	R	910	880
Barwon at Mungindi	-	2.67	-	0	F	0	0
Darling at Bourke	-	3.68	-	0	F	0	0
Darling at Burtundy Rocks	-	0.47	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	10 200	13 360
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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	-0.30	-	No. 7 Rufus River	22.10	-0.06	+0.61
No. 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	-0.06	-0.10
No. 15 Euston	47.60	-0.10	-	No. 5 Renmark	16.30	-0.09	+0.04
No. 11 Mildura	34.40	+0.07	+0.08	No. 4 Bookpurnong	13.20	-0.06	+0.32
No. 10 Wentworth	30.80	+0.00	+0.30	No.3 Overland Corner	9.80	-0.07	+0.07
No. 9 Kulnine	27.40	+0.01	-0.05	No. 2 Waikerie	6.10	-0.03	+0.06
No. 8 Wangumma	24.60	-0.03	+0.13	No 1. Blanchetown	3.20	+0.00	-1.26

Murrumbidgee	FSL (mAHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.19	1.127	70.477	982
No. 5 Redbank	66.90	+0.02	0.97	62.27	1186

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.76

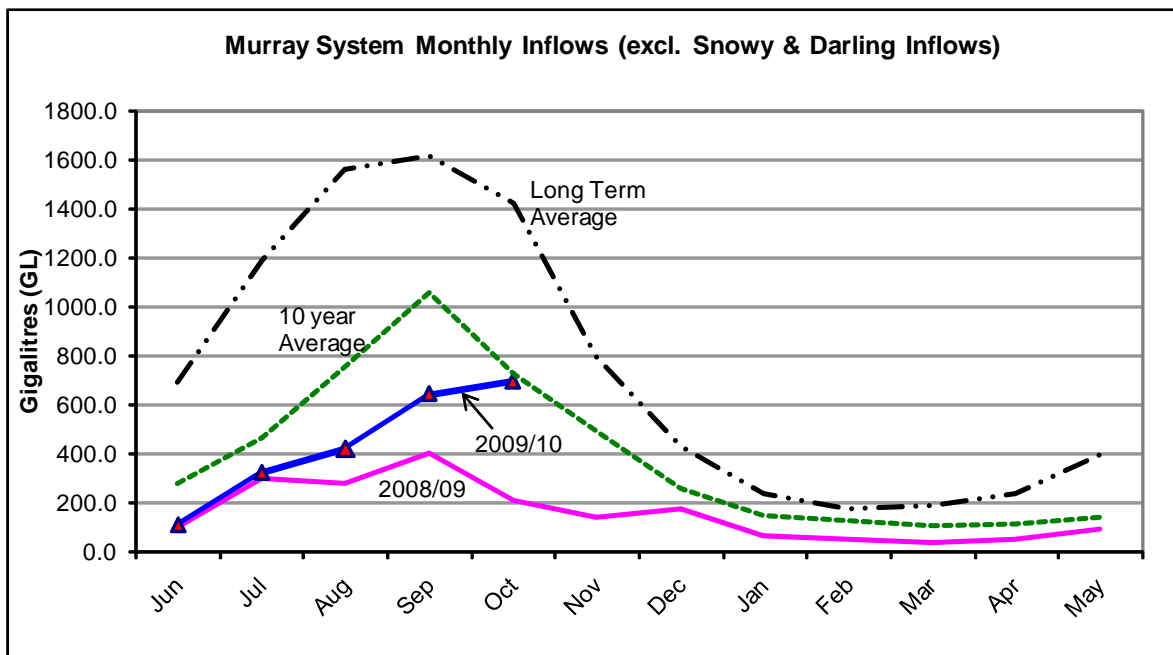
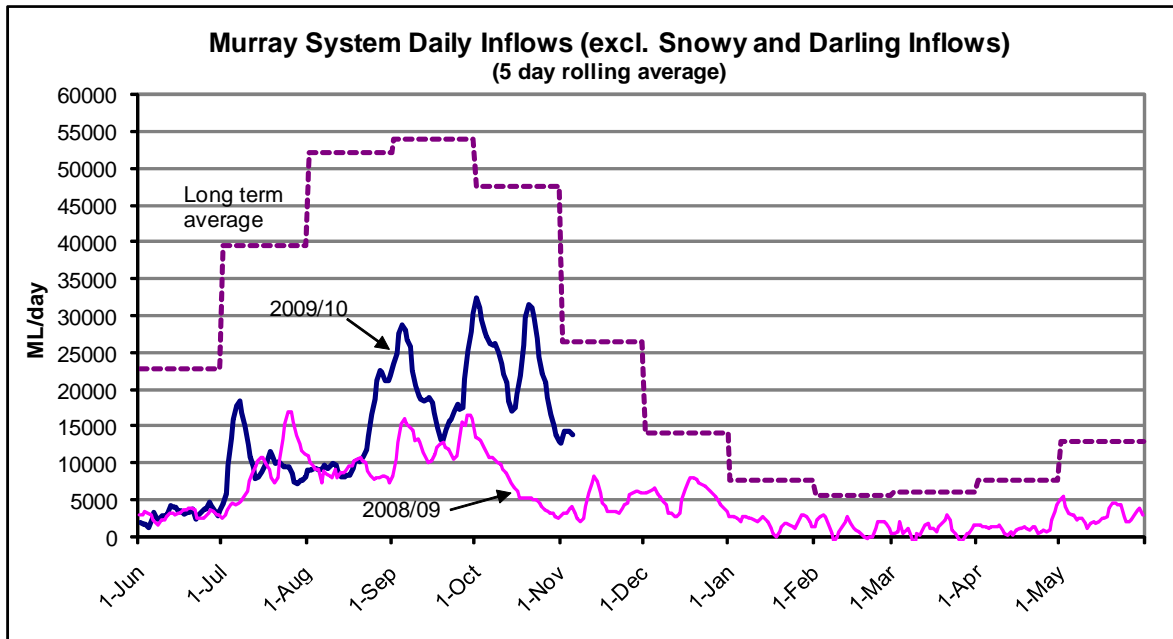
Barrages

Fishways @ Barrages

	Openings	Level (mAHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.70	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 4th November 2009



State Allocations (as at 4th November 2009)

NSW - Murray Valley

High security	97%
General security	10%

Victoria - Murray Valley

high reliability	53%
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NSW - Murrumbidgee Valley

High security	95%
General security	14%

Victoria - Goulburn Valley

high reliability	40%
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NSW - Lower Darling

High security	100%
General security	25%

South Australia - Murray Valley

High security	46%
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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.dwlbc.sa.gov.au/media.html>