



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 27 OCTOBER 2010

Trim Ref: D10/31227

Rainfall and Inflows

Low to moderate falls of rain continued across most of the Murray-Darling Basin this week. The highest falls occurred in northern NSW, with falls of 62 mm at Boggabri, 64 mm at Pine Ridge and 65 mm at Dunedoo.

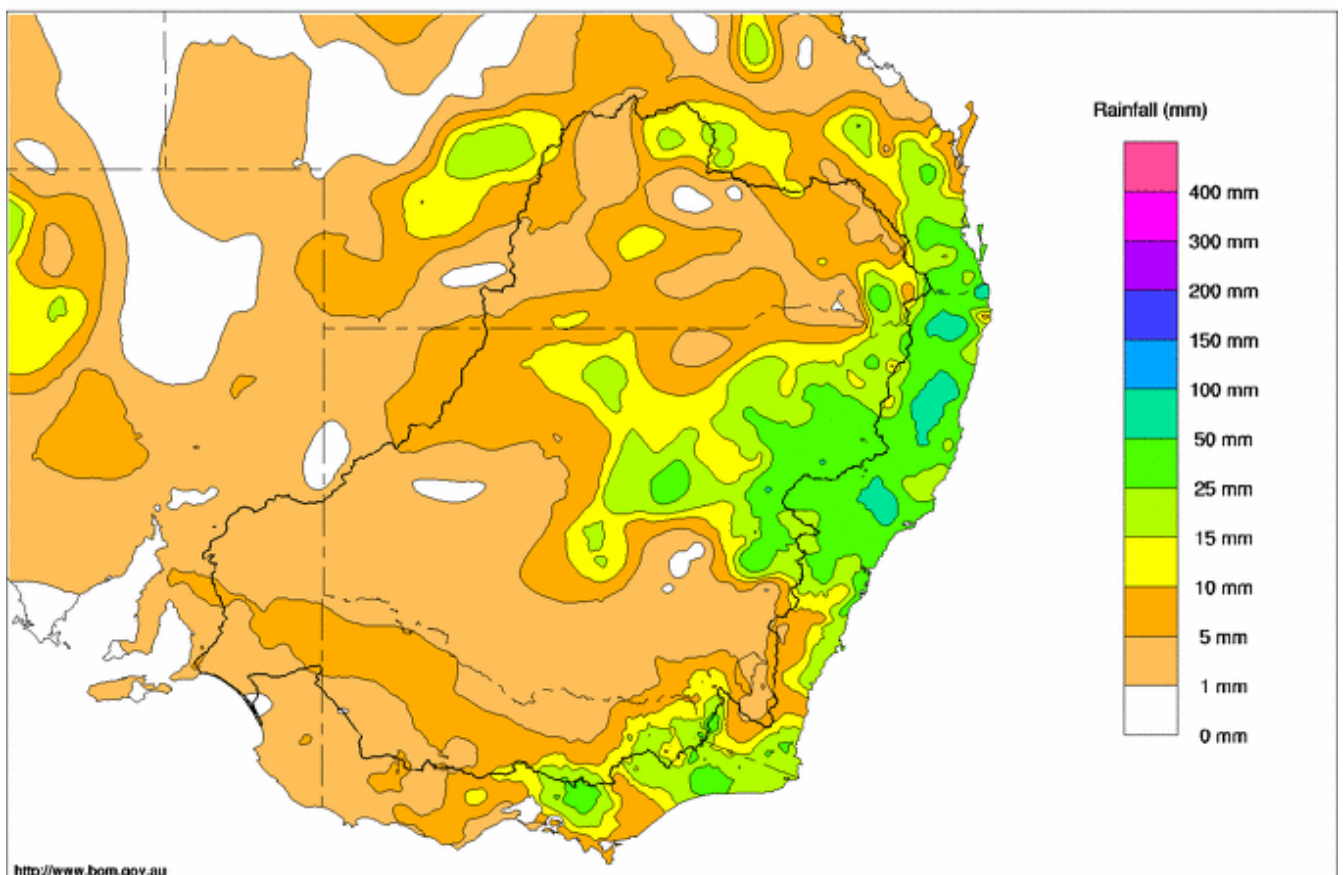
River flows have declined in the upper Murray since last week. For example, on the River Murray at Jingellic the flow is now 14,130 ML/day compared with 27,550 ML/day last week, while the Ovens River at Wangaratta is currently at 5,480 ML/day compared with 11,240 ML/day last week.

During the week the Murrumbidgee River at Narrandera peaked at 54,000 ML/day on 24 October and the flow is currently 21,000 ML/day. Flows in the Murrumbidgee River at Balranald are still rising and may exceed 10,000 ML/day by early November.

On the Darling River, the flows are still rising at Bourke and are expected to peak at about 24,000 ML/day by early November. Further downstream at Wilcannia, the peak flow should arrive by mid-November.

Murray system inflows during the last week totalled 340 GL, compared with 667 GL last week, and the Bureau of Meteorology is forecasting further rainfall this coming weekend.

Murray Darling Rainfall Totals (mm) Week Ending 27th October 2010
Product of the National Climate Centre



<http://www.bom.gov.au>

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River Operations

MDBA active storage increased again during the week with a gain of 37 GL. The volume of active storage (including Menindee Lakes) is currently 6,144 GL (71 % capacity).

Hume Reservoir is now effectively spilling (2,977 GL, 99% capacity), with a total of about 108 GL “spilled” at low release rates and within channel. This is the first time the reservoir has been full since October 2000. Releases from Hume varied during the week between 10,000 and 17,000 ML/day to control lake levels. However, on 26 October, releases were increased to target 25,000 ML/day at Doctors Point (regulated channel capacity). This pre-release is aimed at creating a small amount of air-space prior to the rain forecast for the next week. Depending on the rates of inflows, much higher releases may be required from Hume Reservoir during the next week. For the latest flood information, see the Bureau of Meteorology flood warnings at <http://www.bom.gov.au/weather/>.

Releases from Yarrawonga Weir varied during the week between 18,000 and 26,000 ML/day, passing the inflows from upstream. The Yarrawonga pool level has varied between 124.68 and 124.73 m AHD. Further variations in the pool level may occur during the next week in response to any rain and resulting inflows.

On the Edward River, flows past Toonalook, Stevens Weir, Moulamein and Leiwah are expected to continue rising during the week. The flow past Stevens Weir is expected to peak at about 6,300 ML/day in the next few days. Flows in the Wakool River past Kyalite are also expected to increase slowly during the next week.

At Torrumbarry Weir, the flow is currently 19,720 ML/day and expected to fall to less than 13,000 ML/day by next week. Flows passing Swan Hill are currently 18,210 ML/day and falling while flows at Euston Weir are 18,350 ML/day and rising in response to Murrumbidgee inflows. Flows past Mildura and Wentworth Weirs should also increase during the week.

Releases from Menindee Lakes during the week increased to 16,500 ML/day past Weir 32. The lakes are currently surcharged to 1,871 GL (108% capacity) and this volume is declining slowly. Current forecasts indicate that it is unlikely that the release from Menindee Lakes will exceed 17,000 ML/day. However, there may be variations to the release rate in the coming weeks. Updates will be provided before any major changes to release patterns.

The level in Lake Victoria has been gradually lowered during the week and the volume in storage is currently 642 GL (95% capacity). This lowering will continue during the next week and aims to minimise the time the lake is at high levels, to protect vegetation and cultural heritage material within the lake. The lake will be re-filled towards the end of the period of unregulated flows.

Flows into South Australia are currently 25,300 ML/day, and are likely to continue rising during early November. Releases from the Barrages are currently about 32,000 ML/day.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray



Week ending Wednesday 27 Oct 2010

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	3 856	448.96	1 870	48%	71	1 799	+30
Hume Reservoir	192.00	3 005	191.86	2 977	99%	23	2 954	+55
Lake Victoria	27.00	677	26.71	642	95%	100	542	-34
Menindee Lakes		1 731 *		1 871	108%	(480 #)	1 391	-48
Total		9 269		7 360	79%	--	6 686	+3

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **78%**

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		1 029	100%	3	1 026	-17
Blowering Reservoir	1 631		1 595	98%	24	1 571	+48
Eildon Reservoir	3 334		2 109	63%	100	2 009	+27

Snowy Mountains Scheme

Snowy diversions for week ending 26-Oct-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	914	+14	Snowy-Murray	+20	409
Snowy-Murray Component	631	+4	Tooma-Tumut	+7	225
Target Storage	1 400		Net Diversion	13.1	184
			Murray 1 Release	+32	659

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This week	From 1 July 2010	Victoria	This week	From 1 July 2010
Murray Irrig. Ltd (Net)	14.8	122.0	Yarrowonga Main Channel (net)	0.4	12.0
Wakool Sys Allowance	-0.6	4.0	Torrumbarry System + Nyah (net)	3.8	93.0
Western Murray Irrig.	0.2	2.0	Sunraysia Pumped Districts	0.9	9.0
Licensed Pumps	1.9	16.0	Licensed pumps - GMW (Nyah+u/s)	0.0	2.0
Lower Darling	5.4	44.0	Licensed pumps - LMW	6.2	51.0
TOTAL	21.7	188.0	TOTAL	11.3	167.0

* 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	170.0 *	
Flow this week	201.2	(28 700 ML/day)
Flow so far this month	770.1	
Flow last month	495.4	

* Flow to SA will be greater than entitlement for October due to Additional Dilution Flow and Unregulated Flows.

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2010
Swan Hill	130	120	140
Euston	130	140	130
Red Cliffs	140	140	130
Merbein	140	130	110
Burtundy (Darling)	310	280	270
Lock 9	190	180	160
Lake Victoria	160	160	170
Berri	150	160	180
Waikerie	-	-	200
Morgan	210	230	260
Mannum	240	240	290
Murray Bridge	250	260	310
Milang (Lake Alex)	2 550	2 440	3 250
Poltalloch (Lake Alex)	400	440	1 430
Meningie (Lake Alb.)	8 470	8 400	11 460
Goolwa Barrages	2 000	2 040	11 770



Week ending Wednesday 27 Oct 2010

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	-	-	-	9 310	R	7 120	10 980
Jingellic	4.0	2.67	209.19	14 130	R	17 600	39 510
Tallandoon (Mitta Mitta River)	4.2	1.80	218.69	1 470	S	1 610	2 610
Heywoods	5.5	2.79	156.42	12 840	F	14 080	3 280
Doctors Point	5.5	3.04	151.51	14 800	F	16 790	9 840
Albury	4.3	2.07	149.51	-	-	-	-
Corowa	7.0	3.38	129.40	18 460	F	16 590	10 850
Yarrowonga Weir (d/s)	6.4	3.10	118.14	22 740	S	22 170	18 910
Tocumwal	6.4	3.60	107.44	21 900	R	23 900	15 850
Torrumbarry Weir (d/s)	7.3	5.16	83.71	19 720	F	19 480	10 120
Swan Hill	4.5	3.03	65.95	18 210	R	14 370	10 300
Wakool Junction	8.8	5.37	54.49	20 520	R	17 910	23 440
Euston Weir (d/s)	8.8	3.37	45.21	18 350	R	17 320	29 210
Mildura Weir (d/s)	-	-	-	18 810	F	20 430	28 620
Wentworth Weir (d/s)	7.3	4.04	28.80	22 400	S	25 660	38 770
Rufus Junction	-	5.74	22.67	25 580	F	27 590	29 620
Blanchetown (Lock 1 d/s)	-	1.93	-	28 500	F	29 190	27 640
Tributaries							
Kiewa at Bandiana	2.7	2.16	155.39	2 460	F	2 910	6 390
Ovens at Wangaratta	11.9	9.49	147.17	5 480	F	7 020	13 790
Goulburn at McCoys Bridge	9.0	4.03	95.45	6 480	F	11 100	5 520
Edward at Stevens Weir (d/s)	-	3.18	82.95	4 260	F	3 440	2 400
Edward at Liewah	-	2.95	58.33	2 510	R	2 270	2 700
Wakool at Stoney Crossing	-	2.20	55.69	1 700	R	2 190	5 780
Murrumbidgee at Balranald	5.0	4.65	60.61	6 780	R	3 490	350
Barwon at Mungindi	-	6.12	-	8 860	R	8 100	10 740
Darling at Bourke	-	7.07	-	19 500	R	17 440	15 380
Darling at Burtundy Rocks	-	2.75	-	4 310	R	1 750	550

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	22 920	77 120
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Weirs and Locks

Pool levels above or below Full Supply Level (FSL)

Murray	FSL (m AHD)	u/s	d/s		FSL (m AHD)	u/s	d/s
Yarrowonga	124.90	-0.19	-	No. 7 Rufus River	22.10	+0.62	+3.42
No 26 Torrumbarry	86.05	-0.11	-	No. 6 Murtho	19.25	-0.11	+1.59
No. 15 Euston	47.60	+0.05	-	No. 5 Renmark	16.30	-0.13	+1.41
No. 11 Mildura	34.40	-0.06	+0.98	No. 4 Bookpurnong	13.20	-0.02	+2.29
No. 10 Wentworth	30.80	-0.01	+1.40	No.3 Overland Corner	9.80	+0.03	+1.84
No. 9 Kulnina	27.40	-0.01	+0.70	No. 2 Waikerie	6.10	+0.03	+1.81
No. 8 Wangumma	24.60	-0.16	+1.80	No 1. Blanchetown	3.20	+0.05	+1.18

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.30	5.082	74.432	13307
No. 5 Redbank	66.90	-0.42	5.28	66.58	9049

Lower Lakes

FSL = 0.75 m AHD

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

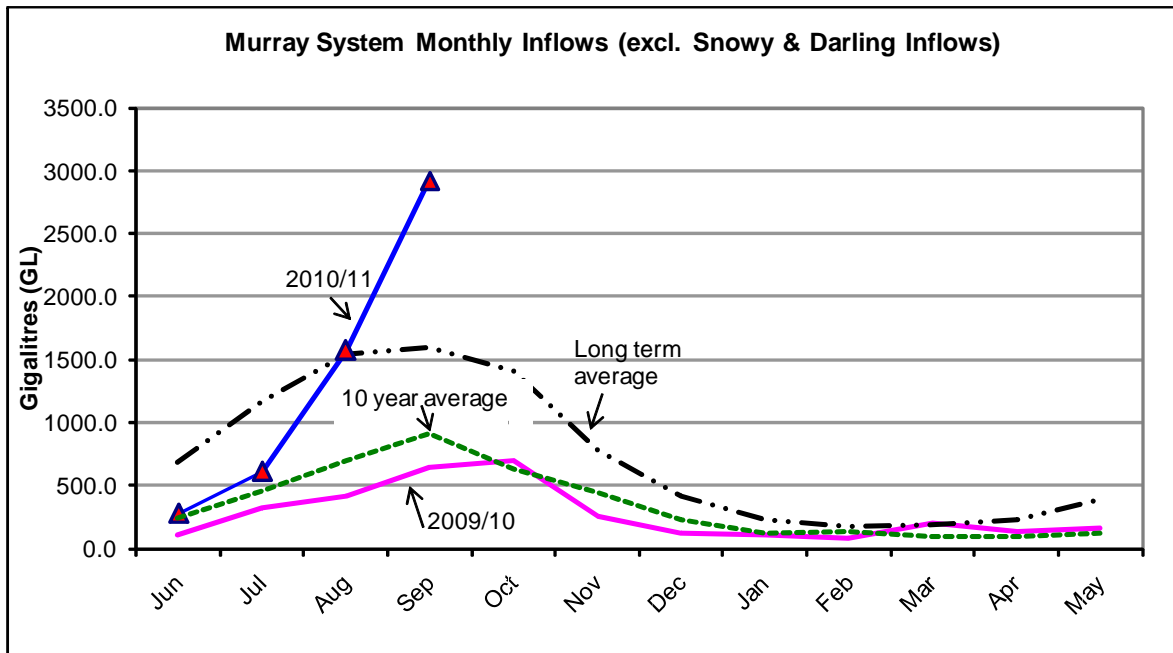
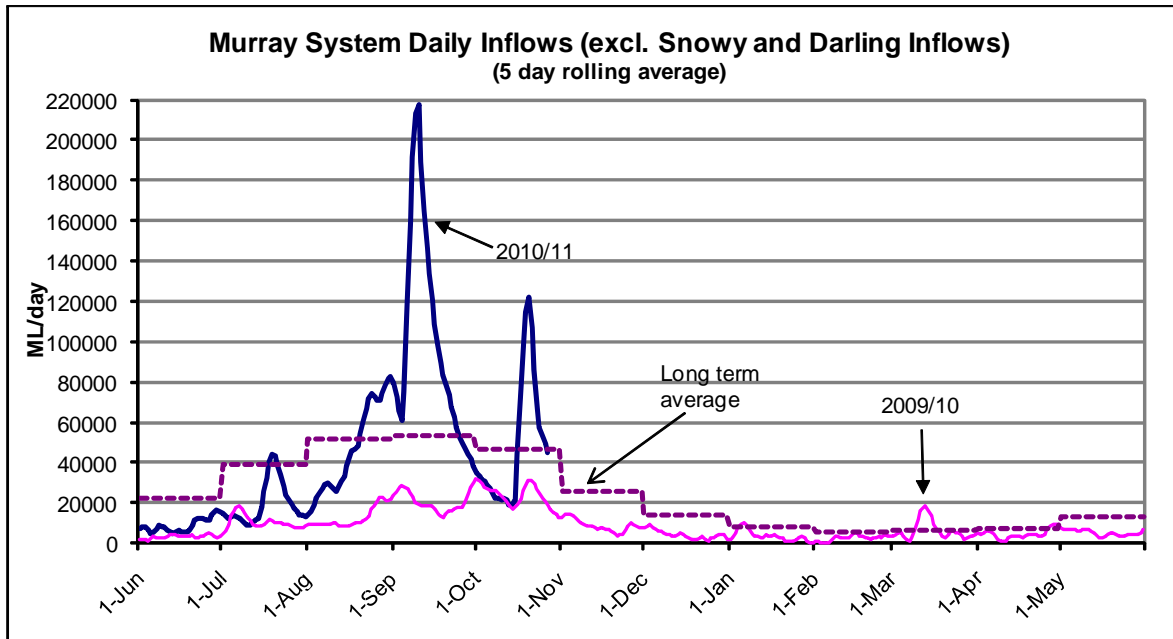
Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.71	54	-	Open
Mundoo	26 openings	0.76	3	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	11	-	-
Tauwichee	322 gates	0.78	39	Open	Open



Week ending Wednesday 27 October 2010



State Allocations (as at 27 October 2010)

NSW - Murray Valley

High security	97%
General security	42%

Victoria - Murray Valley

High reliability	100%
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NSW - Murrumbidgee Valley

High security	95%
General security	51%

Victoria - Goulburn Valley

High reliability	80%
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NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	67%
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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.waterforgood.sa.gov.au/category/news/>