



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 10 NOVEMBER 2010

Trim Ref: D10/32561

Rainfall and Inflows

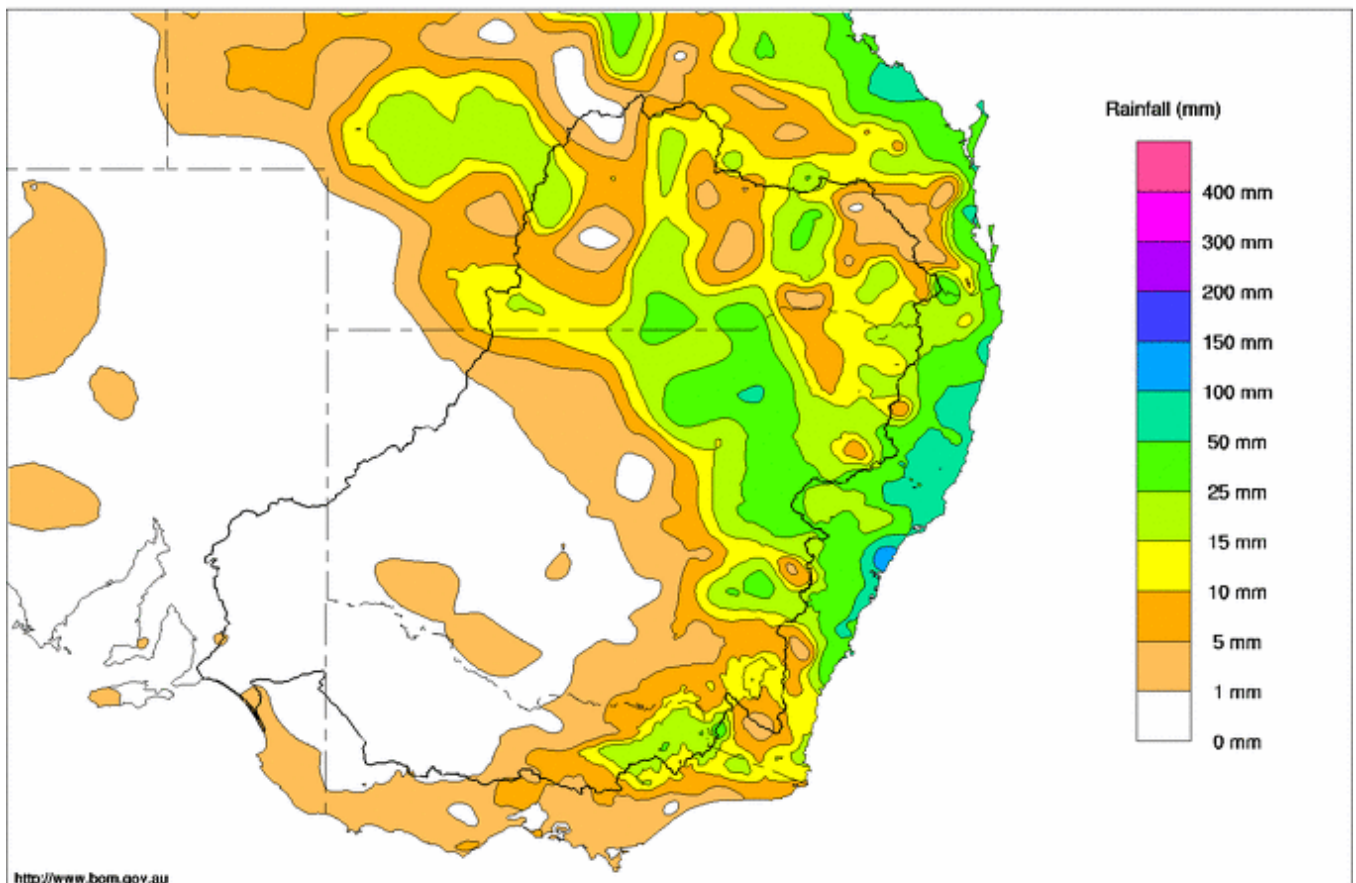
The northern half of the Murray-Darling Basin and the Great Dividing Range received rainfall during the last week. In southern Queensland, 39 mm fell at Applethorpe and 45 mm at Condamine and, in northern NSW, Wee Waa recorded 47 mm and Walgett 45 mm. Further south, falls of between 10 and 25 mm were recorded in the Upper Murray. More than 25 mm is forecast by the Bureau of Meteorology for most of the Basin during the next week.

Upper Murray tributary inflows are receding after the rain in late October. Currently, the flow at Hinnomunjie on the Mitta Mitta River upstream of Dartmouth Dam is 1,490 ML/day, while the flow in the River Murray at Jingellic is 17,140 ML/day. The flow in the Ovens River at Wangaratta is currently 8,570 ML/day.

During the week, the flow in the Goulburn River past McCoys Bridge peaked at 16,460 ML/day while flow in the Murrumbidgee River at Balranald continues at about 9,500 ML/day. On the Darling River at Bourke, there was a peak daily flow of 24,950 ML on 6 November and the flow has now receded to 24,030 ML/day.

Murray system inflows during the week were 448 GL.

Murray Darling Rainfall Totals (mm) Week Ending 10th November 2010
Product of the National Climate Centre



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

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River Operations

MDBA active storage (including Menindee Lakes) increased by 51 GL during the week. Dartmouth Reservoir is now at 51% capacity (1,959 GL) after gaining 37 GL. Hume Reservoir is at 2,993 GL – effectively at 100% of capacity with a gain during the week of 15 GL. Water is currently being released from Hume reservoir, targeting 25,000 ML/day at Doctors Point, to create airspace prior to the rain forecast for the coming weekend.

Yarrowonga Weir has been passing high flows, peaking at 44,750 ML/day before falling to 32,350 ML/day. Depending on rainfall and catchment responses, further increases in flows could be observed again after the weekend.

On the Edward River, the flow at Toonalook and downstream of Stevens Weir is expected to keep rising during the week, while the river flow will decline at Moulamein. At Stoney Crossing, the Wakool River is expected to keep rising to about 4,500 ML/day by mid-late November.

At Torrumbarry Weir, a flow peak of 26,830 ML/day was recorded on 9 November. At Swan Hill, the flow is expected to peak at less than 20,000 ML/day during the next week.

The flow downstream of Euston Weir is currently 30,760 ML/day, and is expected to keep rising during the next 1–2 weeks to rates of less than 35,000 ML/day. High flows are also expected to continue past Mildura and Wentworth Weirs until late November.

Releases from Menindee Lakes are continuing with the flow past Weir 32 currently 15,500 ML/day. These releases have drawn the lake volume down by 20 GL during the week, bringing the storage to 1,810 GL (105% capacity). Releases from Menindee Lakes are likely to continue at flows higher than 7,000 ML/day until at least the end of December.

Flow into the Great Darling Anabranch is continuing and it is expected that flows will make their way all the way through and back into the Murray in coming weeks.

Lake Victoria has gained about 20 GL during the week, to assist with management of the high flows downstream of Wentworth. The lake is currently at 627 GL (93% capacity). The pool levels at Locks 7, 8 and 9 are also above full supply level to assist with management of high flows.

The flow into South Australia is currently about 32,850 ML/day and is expected to remain around the current rate for the next couple of weeks. The level of the Lower Lakes is currently about 0.71 m AHD and Barrage releases are totalling nearly 30,000 ML/day.

The partial flushing of the Lower Lakes, from high inflows and releases to the sea since August, is reflected in a salinity level of 260 EC at Poltalloch but with a high level of 2,540 EC at Milang (both in Lake Alexandrina). In Lake Albert, the salinity level is falling, but remains high with 8,060 EC at Meningie.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 10 Nov 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	451.02	1 959	51%	71	1 888	+37
Hume Reservoir	192.00	3 005	191.94	2 993	100%	23	2 970	+15
Lake Victoria	27.00	677	26.56	627	93%	100	527	+20
Menindee Lakes		1 731 *		1 810	105%	(480 #)	1 330	-20
Total		9 269		7 389	80%	--	6 715	+51

* 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		1 017	99%	3	1 014	-8
Blowering Reservoir	1 631		1 626	100%	24	1 602	-6
Eildon Reservoir	3 334		2 194	66%	100	2 094	+39

Snowy Mountains Scheme

Snowy diversions for week ending 09-Nov-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	902	-16	Snowy-Murray	+41	460
Snowy-Murray Component	620	-31	Tooma-Tumut	+4	239
Target Storage	1 450		Net Diversion	36.8	221
			Murray 1 Release	+54	740

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)	12.3	148.0	Yarrowonga Main Channel (net)	2.5	15.0
Wakool Sys Allowance	0.0	4.0	Torrumbary System + Nyah (net)	2.6	97.0
Western Murray Irrig.	0.4	2.0	Sunraysia Pumped Districts	1.5	11.0
Licensed Pumps	2.9	21.0	Licensed pumps - GMW (Nyah+u/s)	0.1	2.0
Lower Darling	7.5	57.0	Licensed pumps - LMW	7.5	66.0
TOTAL	23.1	232.0	TOTAL	14.2	191.0

* 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	180.0 *	
Flow this week	230.5	(32 900 ML/day)
Flow so far this month	321.6	
Flow last month	881.8	

* Flow to SA will be greater than entitlement for November 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	150	140	140
Euston	120	120	130
Red Cliffs	140	130	130
Merbein	120	130	110
Burtundy (Darling)	240	250	270
Lock 9	230	230	160
Lake Victoria	170	170	170
Berri	190	180	180
Waikerie	-	-	200
Morgan	230	230	260
Mannum	240	240	290
Murray Bridge	240	240	300
Milang (Lake Alex)	2 540	2 420	3 130
Poltalloch (Lake Alex)	260	310	1 280
Meningie (Lake Alb.)	8 060	7 890	10 990
Goolwa Barrages	2 140	2 180	10 440

Week ending Wednesday 10 Nov 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	-	-	-	9 460	F	9 520	6 530
Jingellic	4.0	2.91	209.43	17 140	S	18 740	18 030
Tallandoon (Mitta Mitta River)	4.2	1.90	218.79	1 870	F	2 210	2 600
Heywoods	5.5	3.49	157.12	21 670	R	19 570	23 720
Doctors Point	5.5	3.92	152.39	24 600	F	23 490	28 540
Albury	4.3	3.02	150.46	-	-	-	-
Corowa	7.0	4.01	130.03	25 020	F	29 530	24 340
Yarrowonga Weir (d/s)	6.4	3.95	118.99	32 350	F	39 440	24 220
Tocumwal	6.4	5.11	108.95	39 360	F	36 260	22 880
Torrumbarry Weir (d/s)	7.3	6.19	84.74	26 270	F	23 600	17 470
Swan Hill	4.5	3.24	66.16	19 600	R	17 910	18 270
Wakool Junction	8.8	6.30	55.42	27 150	R	26 080	23 880
Euston Weir (d/s)	8.8	4.58	46.42	30 760	S	30 630	25 900
Mildura Weir (d/s)	-	-	-	28 970	F	27 520	21 540
Wentworth Weir (d/s)	7.3	5.48	30.24	46 600	R	44 510	31 010
Rufus Junction	-	6.19	23.12	33 220	S	33 030	28 440
Blanchetown (Lock 1 d/s)	-	1.97	-	30 200	R	29 290	25 640
Tributaries							
Kiewa at Bandiana	2.7	2.41	155.64	3 060	F	4 380	5 000
Ovens at Wangaratta	11.9	10.17	147.85	8 570	F	12 970	11 890
Goulburn at McCoys Bridge	9.0	5.37	96.79	10 550	F	13 970	4 180
Edward at Stevens Weir (d/s)	-	3.59	83.37	5 380	F	5 780	5 540
Edward at Liewah	-	4.30	59.68	5 090	R	4 720	3 330
Wakool at Stoney Crossing	-	3.04	56.53	3 900	R	3 070	2 180
Murrumbidgee at Balranald	5.0	5.48	61.44	9 480	S	9 480	8 840
Barwon at Mungindi	-	5.43	-	6 090	F	8 200	12 100
Darling at Bourke	-	7.89	-	24 030	F	24 630	22 490
Darling at Burtundy Rocks	-	5.80	-	12 580	R	11 970	8 690

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	20 840	30 510
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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	-0.19	-	No. 7 Rufus River	22.10	+1.02	+3.84
No 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	-0.23	+2.08
No. 15 Euston	47.60	-0.10	-	No. 5 Renmark	16.30	-0.09	+1.75
No. 11 Mildura	34.40	+0.02	+1.89	No. 4 Bookpurnong	13.20	+0.01	+2.64
No. 10 Wentworth	30.80	+0.09	+2.84	No.3 Overland Corner	9.80	+0.02	+2.05
No. 9 Kulnine	27.40	+0.16	+1.74	No. 2 Waikerie	6.10	-0.07	+1.99
No. 8 Wangumma	24.60	+0.36	+2.71	No 1. Blanchetown	3.20	-0.02	+1.22

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	+0.77	6.71	76.06	22663
No. 5 Redbank	66.90	+0.20	5.702	67.002	10452

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.71

Barrages

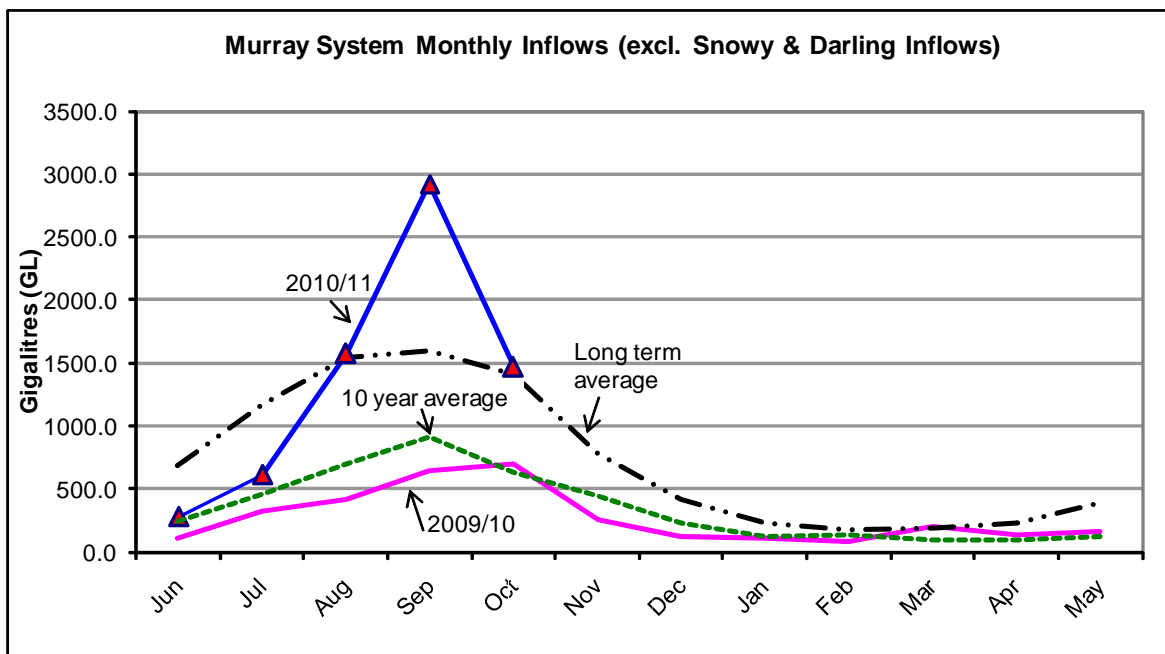
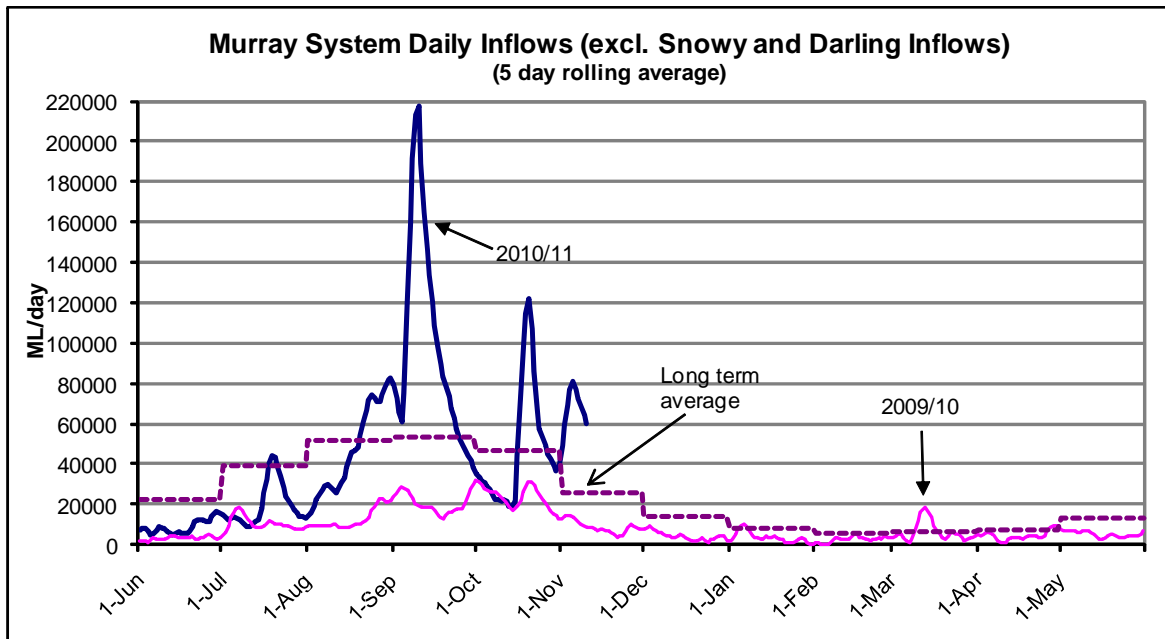
Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.69	46	-	Open
Mundoo	26 openings	0.71	3	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	15	-	-
Tauwitchere	322 gates	0.71	50	Open	Open

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



Week ending Wednesday 10 November 2010



State Allocations (as at 10 November 2010)

NSW - Murray Valley

High security	97%
General security	60%

Victoria - Murray Valley

High reliability	100%
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NSW - Murrumbidgee Valley

High security	95%
General security	56%

Victoria - Goulburn Valley

High reliability	85%
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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/>