



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 24 NOVEMBER 2010

Trim Ref: D10/34145

Rainfall and Inflows

Rain in the Murray-Darling Basin this week fell mainly in southern Queensland and north-western NSW. In Queensland, Augathella in the Warrego catchment recorded 102 mm while Pittsworth in the Condamine catchment recorded 96 mm. Along the Darling River in NSW, a site near Louth recorded 41 mm and Tilpa recorded 25 mm. This rainfall may extend the duration of moderate flows currently in the Darling River system.

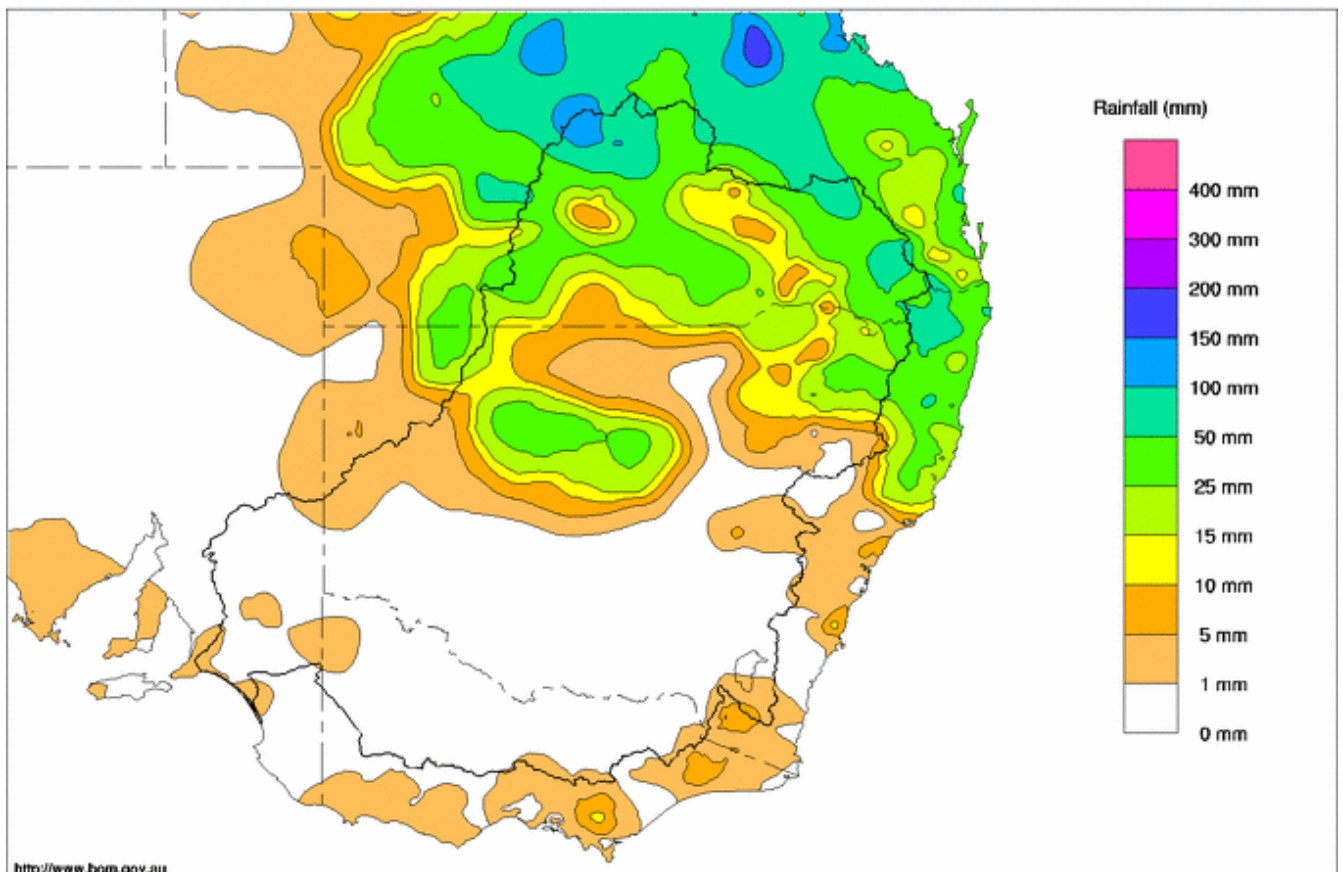
In the southern part of the Basin, there was very little rainfall but inflows remain high—for this time of year—from rain in the previous week. Upstream of Dartmouth Reservoir, the Mitta Mitta River at Hinnomunjie is flowing at 1,300 ML/day, down from 3,300 ML/day last week. At Jingellic on the River Murray, upstream of Hume Reservoir, the flow is 14,440 ML/day compared with 27,300 ML/day last week.

Inflows from the Kiewa River, at Bandiana, are currently 3,170 ML/day while on the Ovens River, at Wangaratta, the flow is 6,200 ML/day.

At Balranald on the Murrumbidgee River, the flow is currently 9,200 ML/day. The flow at this site has been greater than 9,000 ML/day since late October. At Bourke on the Darling River, high flow has also persisted for several weeks and is currently 23,510 ML/day.

Murray Darling Rainfall Totals (mm) Week Ending 24th November 2010

Product of the National Climate Centre





River Operations

MDBA active storage (including Menindee Lakes) is currently 6,784 GL (79% capacity), which is a decrease of 25 GL since last week. The storage in Dartmouth Reservoir continues to slowly increase, with the storage volume currently 2,025 GL (53% capacity) compared with 2,001 GL last week.

Hume Reservoir remains effectively full at 2,983 GL (99% capacity) with spill operations continuing during most of the week. The release from Hume is currently targeting 25,000 ML/day at Doctors Point, which includes spill water supplemented by environmental water. Releases from Hume are likely to continue targeting 20,000–25,000 ML/day at Doctors Point for the next few weeks, assuming dry conditions.

The peak release from Yarrawonga Weir last week was limited to 38,000 ML/day, due to diversions totalling up to 7,240 ML/day at Mulwala Canal and Yarrawonga Main Channel. Diversions at Mulwala Canal included 2,400 ML/day to supplement flows in the Edward River system downstream of the Edward escape for water quality purposes.

Flow in the Wakool River past Coonamit Bridge is close to its expected peak of about 5,500 ML/day, while at Kyalite, just upstream of the Wakool junction, the flow is currently 10,780 ML/day and is expected to keep rising for the next week or so to about 11,300 ML/day.

In the River Murray, the flow past Barmah is currently 18,230 ML/day and is likely to remain above 15,000 ML/day until early December. Environmental water released from Eildon Reservoir is expected to reach the River Murray in the next few days, with a peak flow of about 4,500 ML/day at McCoys Bridge on the Goulburn River. This environmental water is aimed at improving water quality downstream of the Barmah-Millewa Forest. Flow past Torrumbarry Weir has declined during the week to 20,870 ML/day, but is expected to rise again during the next 4–10 days with the pulse from the Goulburn River.

At Euston, the flow is close to the expected peak at 35,560 ML/day. Flows are likely to remain greater than 30,000 ML/day through early December. Mildura and Wentworth flows are also close to their expected peaks and these high flows are also likely to persist through early December.

The storage in Menindee Lakes is currently 1,830 GL—a small decrease of 5 GL. The release from the Lakes to the Darling River was increased to 16,000 ML/day during the week, while the release through the Cawndilla outlet to the Great Darling Anabranch was 1,500 ML/day. High releases from Menindee Lakes are likely to continue throughout most of December.

High releases from Lake Victoria during the week enabled the lake level to fall by 25 cm. The lake is currently storing 620 GL (92% capacity) and, to the extent possible, the lake level will continue to be drawn down to protect vegetation and cultural heritage material.

The flow into South Australia reached 50,670 ML/day during the week, with an average of 47,400 ML/day. This is the highest flow to South Australia since December 2000. The release to the sea through the Barrages averaged 22,850 ML/day and the level in the Lower Lakes remains steady at about 0.71 m AHD.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN

Executive Director, River Murray



Week ending Wednesday 24 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	452.53	2 025	53%	71	1 954	+24
Hume Reservoir	192.00	3 005	191.89	2 983	99%	23	2 960	-15
Lake Victoria	27.00	677	26.56	620	92%	100	520	-29
Menindee Lakes		1 731 *		1 830	106%	(480 #)	1 350	-5
Total		9 269		7 458	80%	--	6 784	-25

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **79%**

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		1 024	100%	3	1 021	+2
Blowering Reservoir	1 631		1 632	100%	24	1 608	-0
Eildon Reservoir	3 334		2 232	67%	100	2 132	+2

Snowy Mountains Scheme

Snowy diversions for week ending 23-Nov-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	N/A	N/A	Snowy-Murray	N/A	N/A
Snowy-Murray Component	N/A	N/A	Tooma-Tumut	N/A	N/A
Target Storage	N/A		Net Diversion	N/A	N/A
			Murray 1 Release	N/A	N/A

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)	23.9	184.0	Yarrowonga Main Channel (net)	10.3	27.0
Wakool Sys Allowance	24.8	45.0	Torrumbary System + Nyah (net)	3.6	101.0
Western Murray Irrig.	0.5	3.0	Sunraysia Pumped Districts	1.5	14.0
Licensed Pumps	2.8	27.0	Licensed pumps - GMW (Nyah+u/s)	0.1	3.0
Lower Darling	10.7	78.0	Licensed pumps - LMW	7.5	81.0
TOTAL	62.7	337.0	TOTAL	23.0	226.0

* 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	332.1	(47 400 ML/day)
Flow so far this month	917.3	
Flow last month	881.8	

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

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2010
Swan Hill	120	130	140
Euston	150	150	130
Red Cliffs	170	170	130
Merbein	140	130	120
Burtundy (Darling)	230	230	270
Lock 9	230	230	170
Lake Victoria	170	170	170
Berri	200	200	180
Waikerie	260	260	210
Morgan	260	260	260
Mannum	270	260	280
Murray Bridge	260	250	290
Milang (Lake Alex)	2 050	2 230	3 040
Poltalloch (Lake Alex)	220	290	1 160
Meningie (Lake Alb.)	7 790	7 810	10 610
Goolwa Barrages	1 480	1 700	9 420



Week ending Wednesday 24 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	-	-	-	9 760	F	9 580	9 920
Jingellic	4.0	2.75	209.27	14 440	F	16 400	20 890
Tallandoon (Mitta Mitta River)	4.2	1.88	218.77	1 790	F	2 150	2 700
Heywoods	5.5	3.54	157.17	22 420	R	21 260	22 790
Doctors Point	5.5	3.94	152.41	24 800	R	25 340	28 970
Albury	4.3	3.08	150.52	-	-	-	-
Corowa	7.0	4.21	130.23	27 020	F	33 170	29 410
Yarrowonga Weir (d/s)	6.4	3.67	118.71	28 950	F	35 420	29 270
Tocumwal	6.4	4.68	108.52	33 110	F	34 420	29 850
Torrumbarry Weir (d/s)	7.3	5.38	83.93	20 870	F	21 800	23 820
Swan Hill	4.5	3.28	66.20	19 900	F	20 700	20 880
Wakool Junction	8.8	6.93	56.05	32 260	R	31 860	29 670
Euston Weir (d/s)	8.8	5.00	46.84	35 560	S	35 390	33 090
Mildura Weir (d/s)	-	-	-	31 680	F	31 560	29 500
Wentworth Weir (d/s)	7.3	5.76	30.52	N/A	N/A	N/A	N/A
Rufus Junction	-	7.01	23.94	52 100	R	47 450	38 010
Blanchetown (Lock 1 d/s)	-	2.36	-	38 700	R	36 590	31 740
Tributaries							
Kiewa at Bandiana	2.7	2.46	155.69	3 170	F	4 530	6 570
Ovens at Wangaratta	11.9	9.66	147.34	6 200	F	8 360	10 950
Goulburn at McCoys Bridge	9.0	1.65	93.07	1 200	F	2 420	5 610
Edward at Stevens Weir (d/s)	-	4.95	84.73	10 400	F	11 040	10 350
Edward at Liewah	-	4.74	60.12	6 230	R	5 860	5 350
Wakool at Stoney Crossing	-	3.71	57.20	N/A	N/A	N/A	N/A
Murrumbidgee at Balranald	5.0	5.48	-	9 200	F	9 460	9 570
Barwon at Mungindi	-	3.91	-	2 400	R	2 840	3 090
Darling at Bourke	-	7.79	-	23 510	F	23 600	23 400
Darling at Burtundy Rocks	-	5.89	-	12 900	S	13 100	13 040

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	14 810	28 290
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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	-0.23	-	No. 7 Rufus River	22.10	+1.88	+4.66
No 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	-0.08	+2.72
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	-0.05	+2.31
No. 11 Mildura	34.40	+0.06	+2.18	No. 4 Bookpurnong	13.20	+0.04	N/A
No. 10 Wentworth	30.80	+0.14	+3.12	No.3 Overland Corner	9.80	+0.01	+2.53
No. 9 Kulnine	27.40	+0.39	+2.53	No. 2 Waikerie	6.10	+0.03	+2.51
No. 8 Wangumma	24.60	+1.06	+3.42	No 1. Blanchetown	3.20	-0.01	+1.61

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	+0.31	4.645	73.995	11343
No. 5 Redbank	66.90	+0.18	5.735	67.035	10620

Lower Lakes

FSL = 0.75 m AHD

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

Barrages

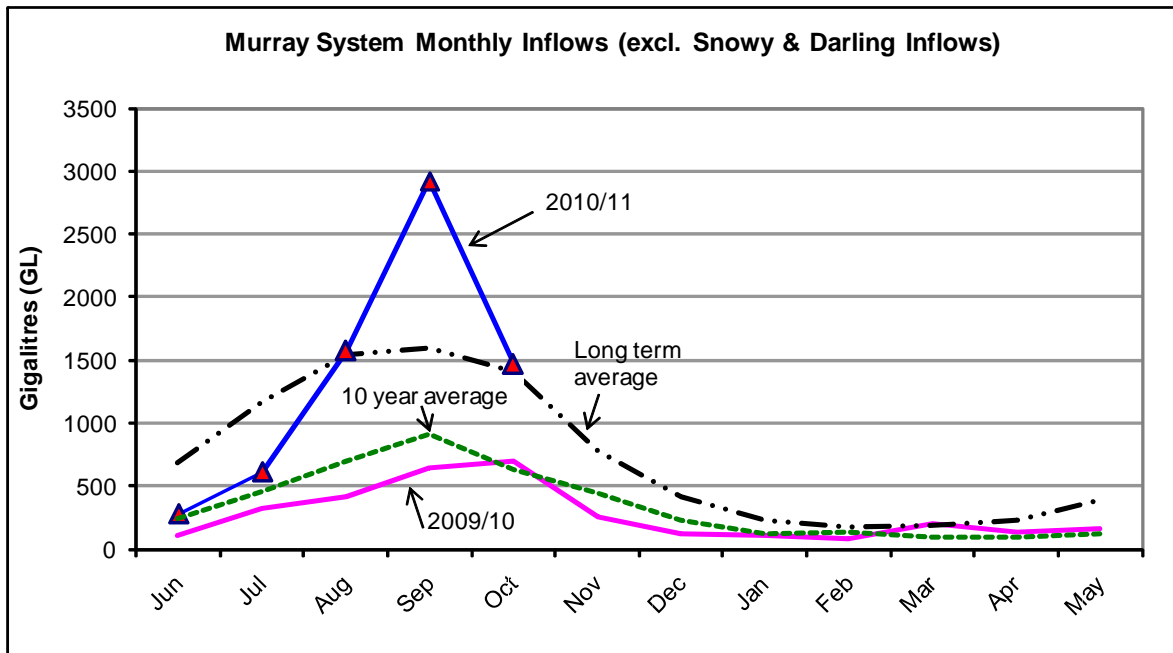
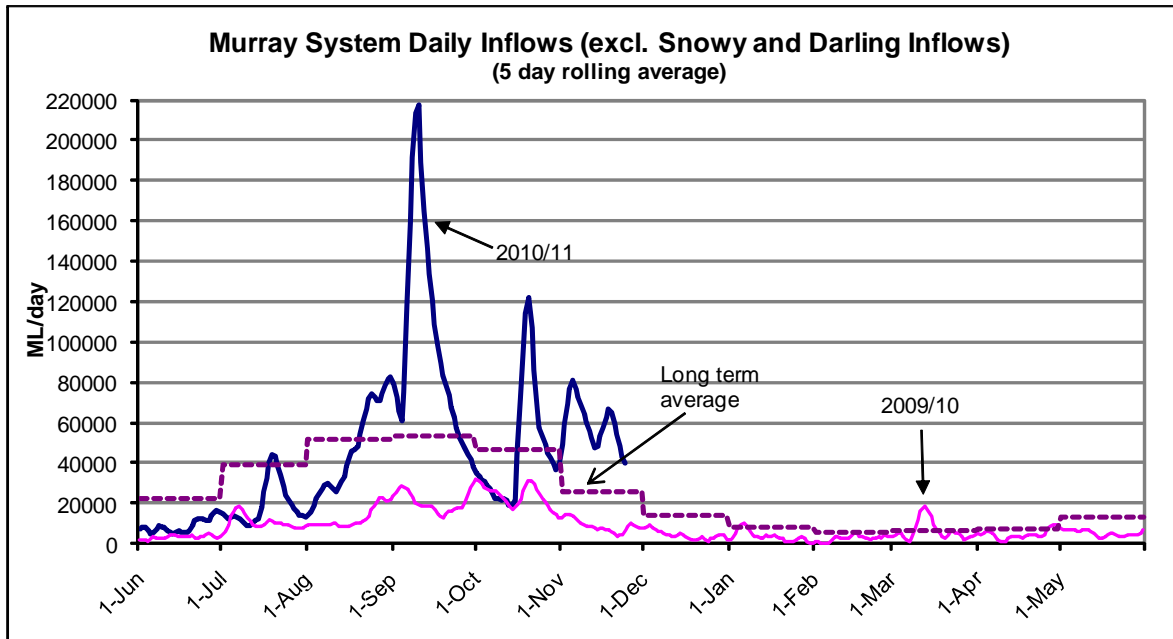
Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.73	31	-	Open
Mundoo	26 openings	0.70	3	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	15	-	-
Tauwichee	322 gates	0.69	50	Open	Open

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



Week ending Wednesday 24 November 2010



State Allocations (as at 24 November 2010)

NSW - Murray Valley

High security	97%
General security	64%

Victoria - Murray Valley

High reliability	100%
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NSW - Murrumbidgee Valley

High security	95%
General security	56%

Victoria - Goulburn Valley

High reliability	100%
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NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	67%
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