



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 21 JULY 2010

Trim Ref: D10/20962

Rainfall and Inflows

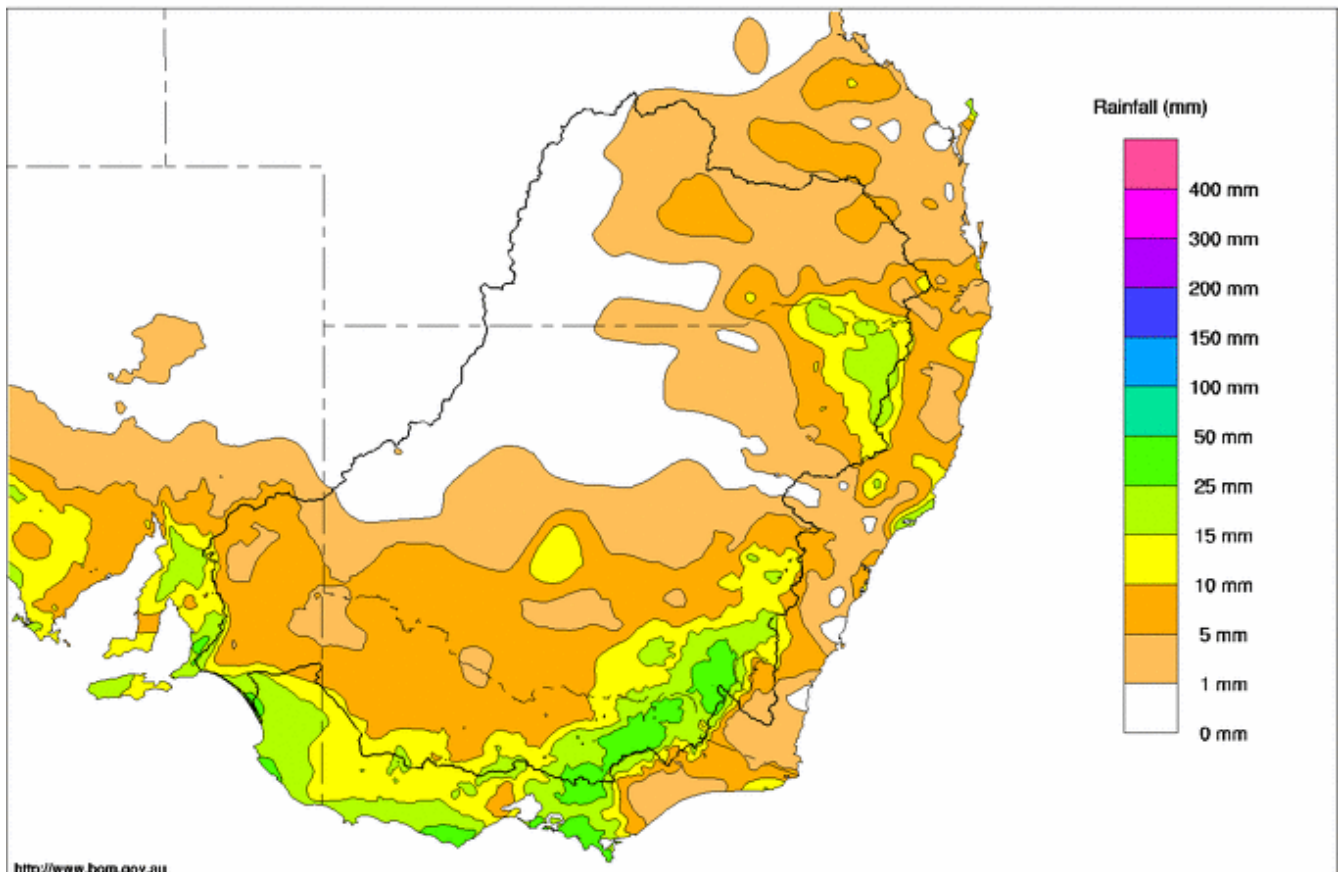
For the week ending 21 July 2010, light to moderate rainfall of up to 50 mm was recorded in the south east of the Murray–Darling Basin. Much of this rainfall was recorded early in the week as the remains of the cloudband, which last week gave good falls, moved east.

After peaking in response to the recent rain, streamflows are now receding in the upper Murray and its tributaries. For instance, Hinnomunjie on the Mitta Mitta River fell from its peak last week of 6,400 to 1,200 ML/day. At Wangaratta, on the Ovens River the flow reduced from a peak of 21,200 to around 9,100 ML/day. Flows from the Goulburn River (at McCoy's Bridge) reached over 7,000 ML/day. These are the highest flows from these tributaries into the Murray system since September 2005.

Murray system inflows for July to date are around 450 GL. The 5 day rolling average inflow for the Murray System peaked on 17 July, reaching 45 GL/day (see 'Murray System Daily Inflow' figure on page 5).

Murray Darling Rainfall Totals (mm) Week Ending 21st July 2010

Product of the National Climate Centre



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River Operations

MDBA active storage (including Menindee Lakes) increased by 161 GL to 3,571 GL (41% capacity). This is the highest active storage volume since March 2006.

Total storage in Dartmouth Reservoir rose by 33 GL to 1,334 GL (34% capacity). At the same time last year the total storage was around 870 GL. At Hume Reservoir, total storage increased by 104 GL to 1,016 GL (33% capacity). Total storage at Hume Reservoir for the same time last year was less than half this at 465 GL. The releases from these two reservoirs remain at normal winter minimums.

Inflows to Lake Mulwala, mainly from the Ovens catchment, continued the rise that began last week and peaked at 16,500 ML/day on Tuesday 20 July. The inflows are expected to recede significantly over the coming week. Release from Yarrawonga Weir reached 15,500 ML/day on Tuesday 20 July and is now at 13,500 ML/day and will continue to be reduced as inflows recede.

Release from Yarrawonga Weir exceeded channel capacity within the Barmah–Millewa forest and regulators have now been opened to help pass these flows. As the flows recede, the regulators will be progressively closed over the coming week.

On the Edward River at Toonalook, the flow has reached around 1,300 ML/day, the majority of this flow coming via the Edward Offtake. This flow will help the partial refilling of Stevens Weir in preparation to deliver domestic and stock water to the Wakool Irrigation District.

Further downstream on the Murray, the increased releases from upstream as well as significant inflows from the Goulburn River are now passing Torrumbarry Weir which peaked at 13,700 ML/day on Thursday 22 July. Torrumbarry, Euston and Wentworth Weirs are all close to Full Supply Level.

The drawdown of the Mildura Weir pool began on Thursday 22 July. This drawdown will send a small pulse of around 10,000 ML/day downstream of Mildura Weir, which will be captured in Lake Victoria or used to supply South Australian entitlement. The increased flows now passing Torrumbarry will assist in the refilling of the weir which is planned to be completed by mid August.

Menindee Lakes total storage increased by 10 GL to 1,551 GL (90% capacity). Upstream of the lakes at Wilcannia on the Darling River, the flows are very slowly declining, from 2,090 ML/day last week to 1,960 ML/day; most of this water is coming from the Paroo River with very little flow further upstream in the Darling. Releases from Menindee Lakes remain on the normal July minimum of 200 ML/day.

The total storage at Lake Victoria increased by 14 GL to 360 GL (53% capacity). It is expected that Lake Victoria will continue to rise during the remainder of July. The average flow to South Australia this week was around 4,400 ML/day and the average flow over Lock 1 was about 4,150 ML/day.

The water level in Lake Alexandrina is maintaining its steady rise and is now -0.05 m AHD. The water levels in Goolwa Channel and Lake Albert are 0.19 m AHD and -0.38 m AHD respectively.

At Goolwa Barrage a trial to pass Congoli (a native fish species) through the lock chamber, using pumps to provide attraction flow commenced on Wednesday 21 July and is showing early promise.

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DAVID DREVERMAN
Executive Director, River Murray

Week ending Wednesday 21 Jul 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	3 906	434.17	1 334	34%	80	1 254	+33
Hume Reservoir	192.00	3 038	178.75	1 016	33%	30	986	+104
Lake Victoria	27.00	677	24.14	360	53%	100	260	+14
Menindee Lakes		1 731 *		1 551	90%	(480 #)	1 071	+10
Total		9 352		4 261	46%	--	3 571	+161

* Menindee surcharge capacity 2050 GL

% of Total Active MDBA Storage = **41%**

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		512	50%	3	509	+71
Blowering Reservoir	1 631		839	51%	24	815	+20
Eildon Reservoir	3 334		1 034	31%	100	934	+70

Snowy Mountains Scheme

Snowy diversions for week ending 20-Jul-2010

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2010
Lake Eucumbene - Total	544	+14	Snowy-Murray	+16	269
Snowy-Murray Component	406	-0	Tooma-Tumut	+10	61
Target Storage	1 170		Nett Diversion	5.3	208
			Murray 1 Release	+21	315

Major Diversions from Murray and Lower Darling (GL) *

New South Wales			Victoria		
	This week	From 1 July 2010		This week	From 1 July 2010
Murray Irrig. Ltd (Net)	1.0	1.0	Yarrowonga Main Channel (net)	0.0	0.0
Wakool Sys Allowance	-0.2	-1.0	Torrumbary System + Nyah (net)	2.8	18.0
Western Murray Irrig.	0.0	0.0	Sunraysia Pumped Districts	0.0	0.0
Licensed Pumps	0.3	1.0	Licensed pumps - GMW (Nyah+u/s)	0.0	0.0
Lower Darling	0.0	0.0	Licensed pumps - LMW	0.8	2.0
TOTAL	1.1	1.0	TOTAL	3.6	20.0

* 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	108.5 *	(4 400 ML/day)
Flow this week	30.7	
Flow so far this month	97.0	
Flow last month	129.3	

* Flow to SA in July includes underlivered entitlement flow from previous months

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2009
Swan Hill	50	50	60
Euston	70	70	90
Red Cliffs	80	90	110
Merbein	70	80	100
Burtundy (Darling)	250	250	390
Lock 9	130	130	140
Lake Victoria	200	180	200
Berri	300	260	290
Waikerie	280	280	350
Morgan	340	330	420
Mannum	320	310	480
Murray Bridge	300	310	640
Milang (Lake Alex)	3 950	3 960	5 410
Poltalloch (Lake Alex)	1 530	1 490	3 820
Meningie (Lake Alb)	13 140	12 930	13 270
Goolwa Barrages	20 650	20 530	16 200

Week ending Wednesday 21 Jul 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	-	-	-	4 330	F	4 550	4 370
Jingellic	4.0	2.14	208.66	8 400	F	12 430	6 070
Tallandoon (Mitta Mitta River)	4.2	1.66	218.55	1 020	F	1 520	670
Heywoods	5.5	1.20	154.83	600	S	600	600
Doctors Point	5.5	1.84	150.31	3 140	R	3 480	1 750
Albury	4.3	0.93	148.37	-	-	-	-
Corowa	7.0	0.88	126.90	2 780	F	3 270	1 710
Yarrowonga Weir (d/s)	6.4	2.14	117.18	13 820	F	12 340	4 940
Tocumwal	6.4	2.76	106.60	14 290	R	10 250	5 500
Torrumbarry Weir (d/s)	7.3	3.62	82.17	12 100	R	6 530	4 970
Swan Hill	4.5	1.02	63.94	4 680	R	4 250	6 580
Wakool Junction	8.8	2.10	51.22	4 710	F	5 480	7 160
Euston Weir (d/s)	8.8	1.12	42.96	4 920	F	6 250	6 540
Mildura Weir (d/s)	-	-	-	6 690	F	6 950	5 160
Wentworth Weir (d/s)	7.3	3.16	27.92	7 100	R	6 610	4 910
Rufus Junction	-	2.97	19.90	3 570	R	3 570	4 140
Blanchetown (Lock 1 d/s)	-	0.03	-	3 850	F	4 160	3 350
Tributaries							
Kiewa at Bandiana	2.7	2.31	155.54	2 800	R	3 200	1 450
Ovens at Wangaratta	11.9	10.28	147.96	9 140	F	14 760	3 870
Goulburn at McCoys Bridge	9.0	3.90	95.32	6 120	F	3 860	590
Edward at Stevens Weir (d/s)	-	0.83	80.61	570	F	610	620
Edward at Liewah	-	1.29	56.67	690	S	700	610
Wakool at Stoney Crossing	-	1.15	54.64	80	F	90	90
Murrumbidgee at Balranald	5.0	0.36	56.32	150	F	160	170
Barwon at Mungindi	-	3.21	-	100	S	90	50
Darling at Bourke	-	4.08	-	260	R	180	100
Darling at Burtundy Rocks	-	0.80	-	260	R	260	280

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	18 830	7 630
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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	-0.15	-	No. 7 Rufus River	22.10	+0.15	+0.68
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.00	-0.02
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	-0.01	+0.11
No. 11 Mildura	34.40	+0.00	+0.23	No. 4 Bookpurnong	13.20	+0.00	+0.49
No. 10 Wentworth	30.80	+0.01	+0.52	No.3 Overland Corner	9.80	+0.01	+0.18
No. 9 Kullnine	27.40	+0.09	-0.03	No. 2 Waikerie	6.10	-0.01	+0.15
No. 8 Wangumma	24.60	-0.04	+0.53	No 1. Blanchetown	3.20	+0.01	-0.72

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.07	1.027	70.377	852
No. 5 Redbank	66.90	+0.04	0.05	61.35	190

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	-0.05

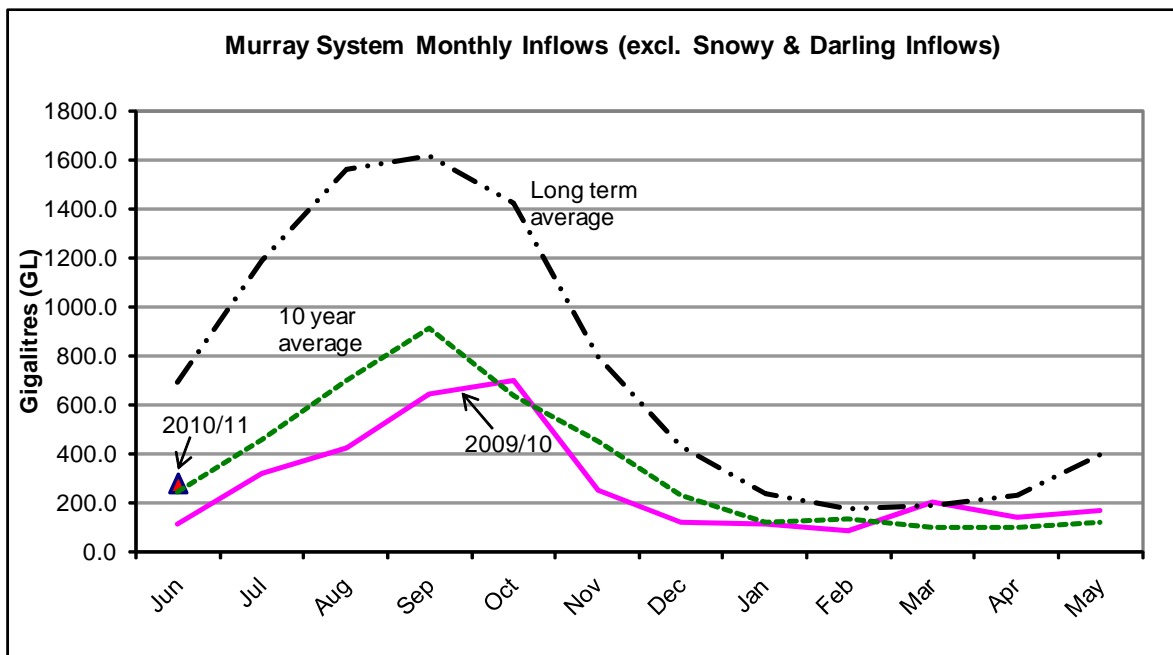
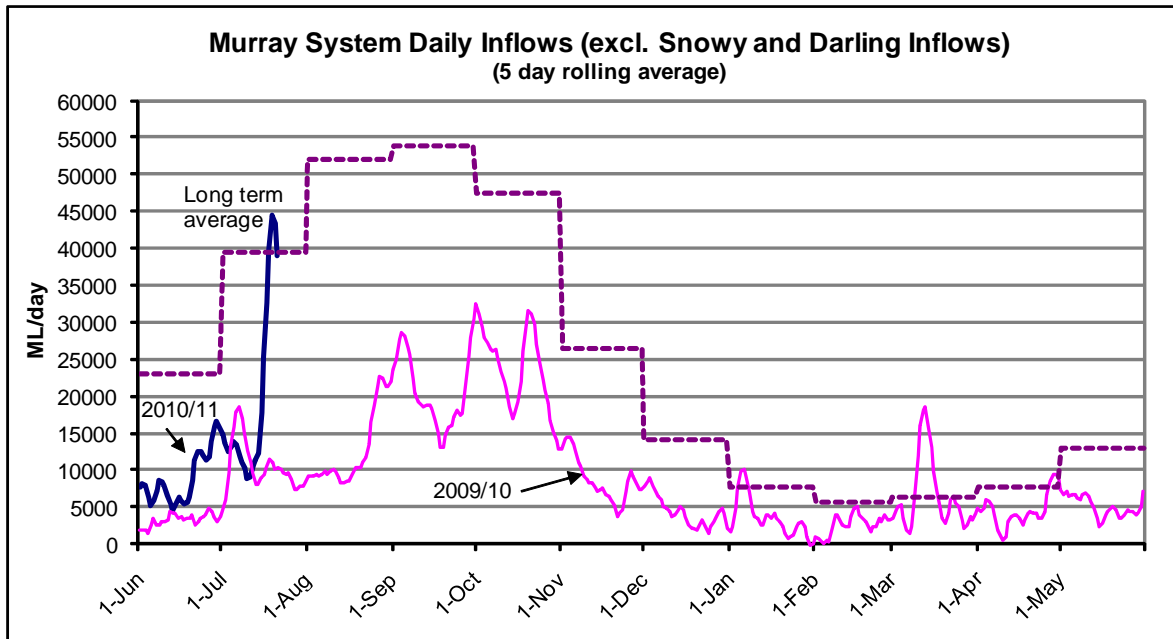
Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.19	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 21 July 2010



State Allocations (as at 21 July 2010)

NSW - Murray Valley

High security	10%
General security	0%

Victoria - Murray Valley

High reliability	0%
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NSW - Murrumbidgee Valley

High security	30%
General security	0%

Victoria - Goulburn Valley

High reliability	0%
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NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	24%
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