



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 08 JUNE 2011

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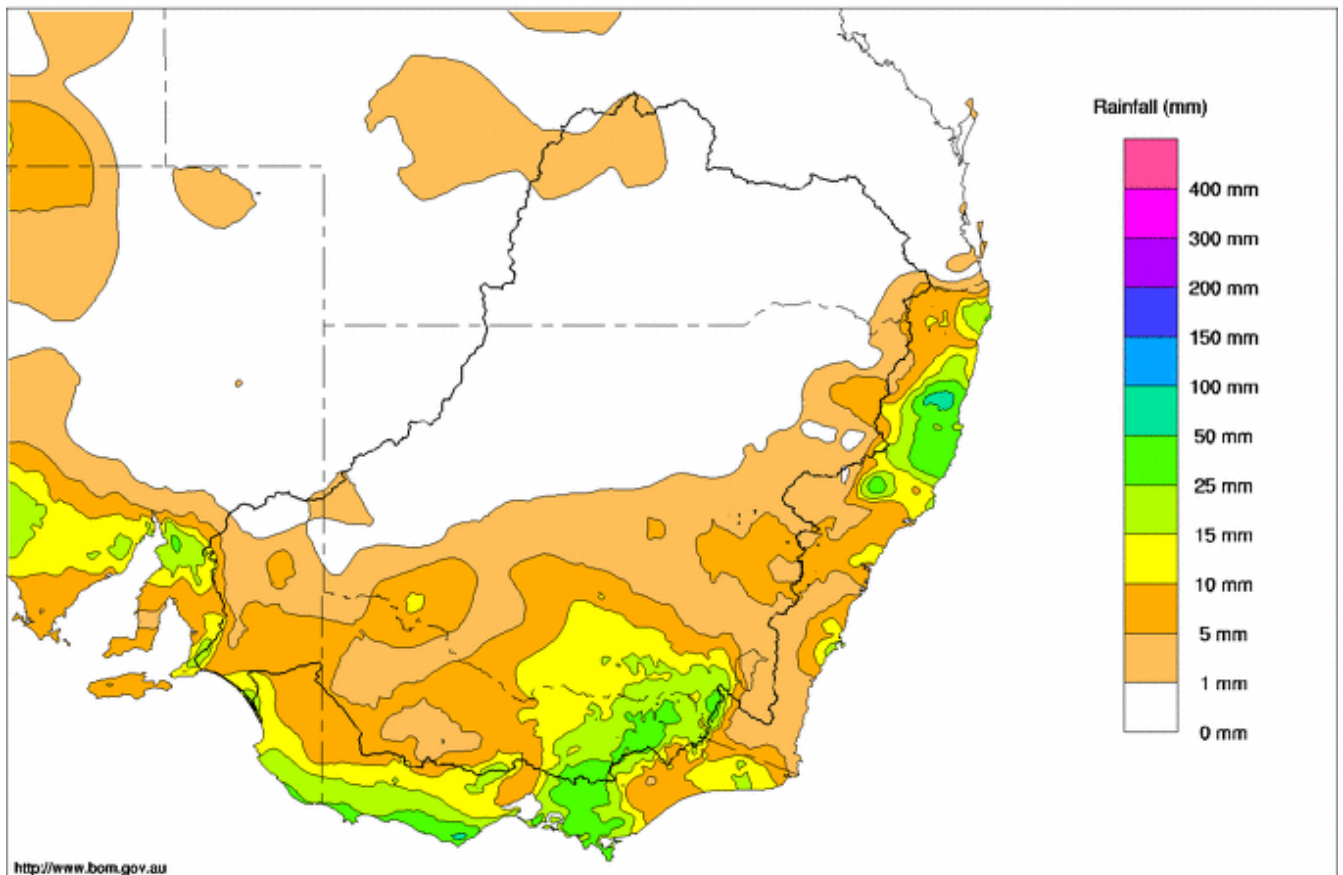
Rainfall and Inflows

Rainfall in the Murray-Darling Basin for the last week fell mostly in the south-east as winter cold fronts crossed the region (Map 1). The best totals were in the Victorian Alps and in the Goulburn River catchment, where 43 mm fell at Mt Buller and 27 mm at Lake Eildon. Elsewhere, rainfall was generally less than 10 mm across the south and east of the Basin, while across the north and north-west, most areas stayed dry.

With the relatively light rain, runoff remained fairly steady from the upper Murray catchments, while flows in the upper River Murray and the lower Mitta Mitta River were influenced more by releases for electricity generation. For example, on the Murray at Jingellic, the flow averaged around 8,700 ML/day during the week but fluctuated under the influence of Snowy Hydro releases from Khancoban. On the Mitta Mitta River at Tallandoon, releases for electricity generation from Dartmouth were reduced, with the flow consequently receding from 2,100 ML/day to 810 ML/day. On the Ovens River, runoff remained relatively steady with flow at Wangaratta again around 2,800 ML/day where it began the week.

Inflows from downstream tributaries remain relatively high, with environmental releases to the upper Goulburn and Murrumbidgee Rivers boosting the flows arriving in the mid Murray.

Murray Darling Rainfall Totals (mm) Week Ending 8th June 2011
Product of the National Climate Centre



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River Operations

MDBA active storage (including Menindee Lakes) increased by 25 GL during the week to 6,915 GL (or 80% capacity).

Releases for electricity generation from Dartmouth Reservoir were decreased progressively during the week and the release has now returned to the normal minimum of 200 ML/day and the total storage rose by 7 GL to 2,451 GL (64% capacity).

Inflow to Hume Reservoir has averaged around 10,000 ML/day during the week, and the release has been managed to pass this flow and therefore maintain about 200 GL of airspace. The release will be increased on Thursday 8 June to 12,000 ML/day and should stay close to this value in the coming days depending on rainfall. Just downstream at Doctors Point, the flow on the morning of Thursday 8 June was 11,400 ML/day and is expected to increase slightly over the coming days.

At Yarrawonga Weir, the release was reduced from 17,000 ML/day to 15,200 ML/day during the week as inflows receded slightly. Lake Mulwala remains at the lowered target level of 122.2 m AHD and the release will be managed to maintain this level until mid-July with the aim to control the spread of the invasive aquatic weed, *Egeria densa*.

On the Edward River system, the flow past Stevens Weir increased steadily during the week to 5,500 ML/day, which is expected to be close to the peak. Flows past Moulamein and Liewah have now started to rise and are expected to continue this trend over the coming week.

At Torrumbarry Weir, the pool level is now being raised back to FSL after the recent 40 cm drawdown. The pool is currently at 85.95 m AHD and should reach full supply of 86.05 m AHD over the next few days. The release is currently 18,400 ML/day and should remain around this level over the coming week.

Further downstream on the Murray, the flow past Euston Weir is around 18,000 ML/day and will increase over the week as higher flows arrive from the Murrumbidgee. Euston, Mildura and Wentworth Weirs are all at or near Full Supply Level.

On the Darling River, inflow to Menindee lakes is now averaging around 3,000 ML/day and falling. Upstream of Menindee at Bourke, flows have now receded to around 1,000 ML/day after peaking in May at around 7,000 ML/day. Total storage in Menindee Lakes increased during the week by 20 GL to 1,954 GL (113% capacity) and the release has been increased from the current minimum release of 500 ML/day to 1,000 ML/day due to water quality issues at the Menindee town weir pool (see attached Media Release).

Storage in Lake Victoria remained near steady this week with a decrease of 1 GL. The storage, currently at around 55% capacity, will begin to rise from next week by increasing inflows to the lake.

The level of the Lower Lakes averaged around +0.55 m AHD during the week. Release from the Barrages continues to be decreased, with the closure of 50 openings this week, to raise the level of the Lower Lakes to around +0.80 m AHD over the next 2-3 weeks.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Murray

Water in Storage

Week ending Wednesday 08 Jun 2011

MDBA Storages	Full Supply Level	Full Supply Volume	Current Storage Level	Current Storage		Dead Storage (GL)	MDBA Active Storage (GL)	Change in Total Storage for the Week (GL)
	(m AHD)	(GL)	(m AHD)	(GL)	%			
Dartmouth Reservoir	486.00	3 856	461.57	2 451	64%	71	2 380	+7
Hume Reservoir	192.00	3 005	191.01	2 810	94%	23	2 787	-2
Lake Victoria	27.00	677	24.30	374	55%	100	274	-1
Menindee Lakes		1 731*		1 954	113%	(480 #)	1 474	+20
Total		9 269		7 589	82%	--	6 915	+25
Total Active MDBA Storage							80% ^	

Major State Storages

Burrinjuck Reservoir	1 026	1 007	98%	3	1 004	+4
Blowering Reservoir	1 631	N/A	N/A	N/A	N/A	N/A
Eildon Reservoir	3 334	2 795	84%	100	2 695	-2

* Menindee surcharge capacity – 2050 GL

** All Data is rounded to nearest GL **

NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBA when storage next reaches 640 GL

^ % of total active MDBA storage

Snowy Mountains Scheme

Snowy diversions for week ending 07 Jun 2011

Storage	Active Storage (GL)	Weekly Change (GL)	Diversion (GL)	This Week	From 1 May 2011
Lake Eucumbene - Total	1 192	n/a	Snowy-Murray	+34	151
Snowy-Murray Component	422	n/a	Tooma-Tumut	+2	19
Target Storage	1 240		Net Diversion	32	132
			Murray 1 Release	+40	182

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)	0.0	477	Yarrowonga Main Channel (net)	0	111
Wakool Sys Allowance	0.0	-3	Torrumbarry System + Nyah (net)	0	177
Western Murray Irrigation	0.1	13	Sunraysia Pumped Districts	0.5	51
Licensed Pumps	0.9	79	Licensed pumps - GMW (Nyah+u/s)	1	22
Lower Darling	1.0	305	Licensed pumps - LMW	0.6	256
TOTAL	2.0	871	TOTAL	2.1	617

* 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 above is rounded to nearest 100 ML for weekly data and nearest GL for cumulative data**

Flow to South Australia (GL)

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

Entitlement this month	90.0 *
Flow this week	159.0
Flow so far this month	181.2
Flow last month	946.1

(22 700 ML/day)

Salinity (EC) (microSiemens/cm at 25° C)

	Current	Average over the last week	Average since 1 August 2010
Swan Hill	120	140	210
Euston	160	180	170
Red Cliffs	190	210	160
Merbein	210	140	170
Burtundy (Darling)	320	310	290
Lock 9	160	200	230
Lake Victoria	230	230	190
Berri	260	280	240
Waikerie	-	-	210
Morgan	n/a	-	330
Mannum	420	390	330
Murray Bridge	370	370	320
Milang (Lake Alex.)	720	780	2 040
Poltalloch (Lake Alex.)	390	400	960
Meningie (Lake Alb.)	6 140	6 180	8 080
Goolwa Barrages	4 220	8 960	4 870

River Levels and Flows

Week ending Wednesday 08 Jun 2011

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	-	-	-	9 490	F	6 570	7 600
Jingellic	4.0	2.43	208.95	11 230	R	8 680	10 510
Tallandoon (Mitta Mitta River)	4.2	1.54	218.43	810	R	1 160	1 660
Heywoods	5.5	2.42	156.05	9 270	F	10 490	11 630
Doctors Point	5.5	2.64	151.11	10 470	F	11 820	13 490
Albury	4.3	1.61	149.05	-	-	-	-
Corowa	7.0	2.77	128.79	13 580	F	13 540	14 480
Yarrowonga Weir (d/s)	6.4	2.31	117.35	15 210	S	15 410	17 800
Tocumwal	6.4	2.96	106.80	15 960	R	16 820	18 700
Torrumbarry Weir (d/s)	7.3	4.90	83.45	18 380	F	18 860	15 600
Swan Hill	4.5	2.93	65.85	17 440	R	16 640	14 660
Wakool Junction	8.8	5.42	54.54	21 100	R	19 870	18 860
Euston Weir (d/s)	8.8	3.28	45.12	17 620	R	16 730	15 850
Mildura Weir (d/s)	-	-	-	16 780	F	16 780	-
Wentworth Weir (d/s)	7.3	4.07	28.83	22 810	F	23 430	23 240
Rufus Junction	-	5.37	22.30	21 380	F	21 700	21 010
Blanchetown (Lock 1 d/s)	-	1.68	-	19 490	R	19 110	20 790
Tributaries							
Kiewa at Bandiana	2.7	1.47	154.70	1 220	F	1 280	1 860
Ovens at Wangaratta	11.9	8.70	146.38	2 800	F	2 780	3 260
Goulburn at McCoys Bridge	9.0	4.30	95.72	7 150	F	8 280	7 770
Edward at Stevens Weir (d/s)	-	3.65	83.42	5 520	F	5 250	3 300
Edward at Liewah	-	2.87	58.25	2 380	R	2 160	2 330
Wakool at Stoney Crossing	-	1.99	55.48	2 160	R	1 550	1 230
Murrumbidgee at Balranald	5.0	3.30	59.26	3 460	R	2 180	1 240
Barwon at Mungindi	-	3.23	-	130	R	140	250
Darling at Bourke	-	4.25	-	1 080	S	1 190	2 070
Darling at Burtundy Rocks	-	1.67	-	2 500	F	2 990	4 350

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	4 830	6 730
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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	-2.68	-	No. 7 Rufus River	22.10	+0.37	+3.11
No. 26 Torrumbarry	86.05	-0.10	-	No. 6 Murtho	19.25	+0.12	+1.33
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.06	+1.24
No. 11 Mildura	34.40	+0.06	+1.00	No. 4 Bookpurnong	13.20	+0.11	+2.15
No. 10 Wentworth	30.80	+0.00	+1.43	No. 3 Overland Corner	9.80	+0.21	+1.58
No. 9 Kulnine	27.40	+0.05	+0.82	No. 2 Waikerie	6.10	+0.10	+1.61
No. 8 Wangumma	24.60	+0.10	+1.34	No. 1 Blanchetown	3.20	+0.03	+0.93

Lower Lakes FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days (m AHD)	0.58
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Barrages

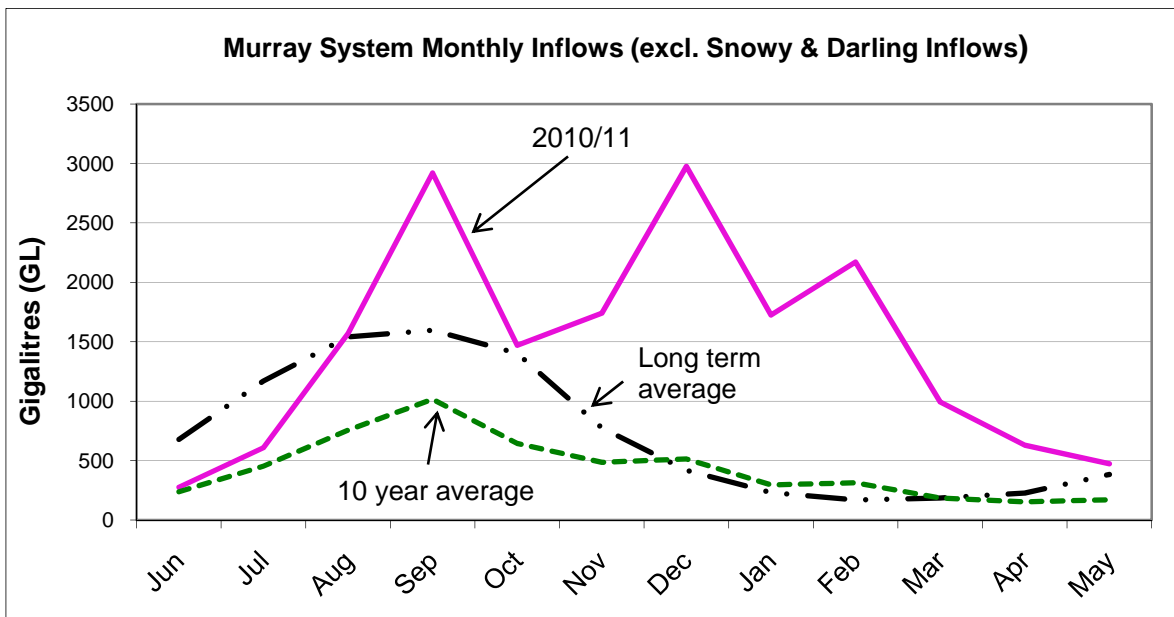
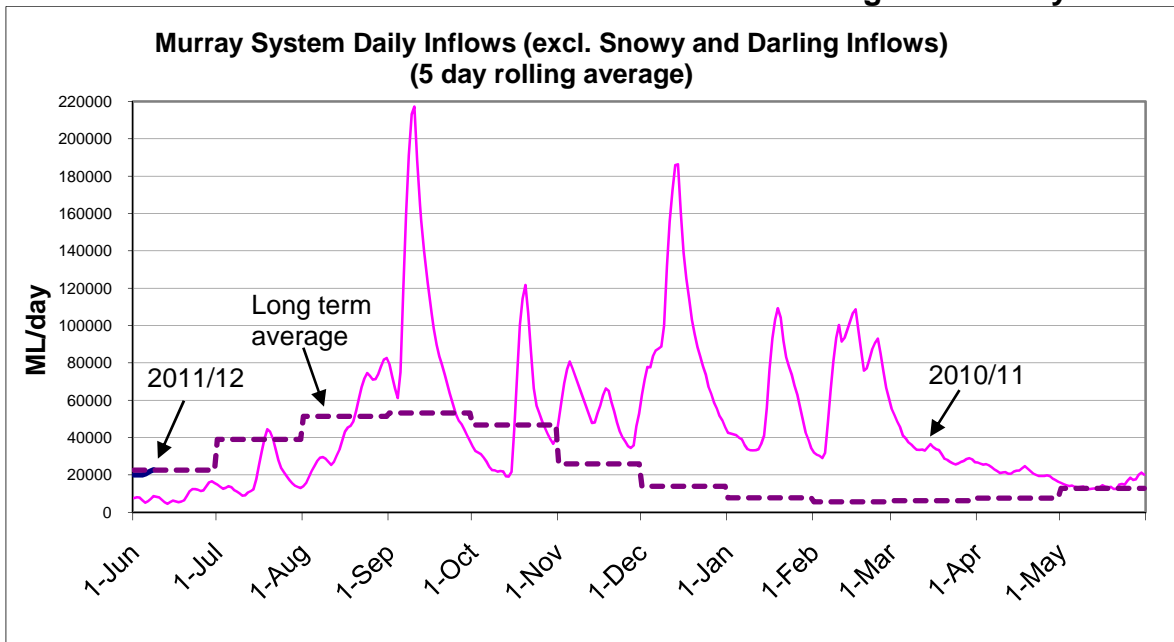
Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.51	30	-	Open
Mundoo	26 openings	0.44	6	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	13	-	-
Tauwitchere	322 gates	0.57	20	Open	Open

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



Week ending Wednesday 08 Jun 2011



State Allocations (as at 08 Jun 2011)

NSW - Murray Valley

High security	100%
General security	100%

NSW - Murrumbidgee

High security	100%
General security	100%

NSW - Lower Darling

High security	100%
General security	100%

Victoria - Murray Valley

High reliability	100%
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VIC - Goulburn

High reliability	100%
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SA - Murray

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/>



Releases from Lake Wetherell to double

NSW Office of Water in conjunction with State Water Corporation today announced that flows from the Lake Wetherell Outlet would be increased from 500 ML/d to 1,000 ML/d immediately. This will see an increase in gauge height of approximately 7 centimetres at Weir 32.

This increase is being made to improve water quality, specifically to facilitate an increase in the levels of dissolved oxygen in the Menindee town weir pool.

This action has been taken following fish deaths in the weir pool over the weekend.

While the majority of dead fish are small Bony Bream, there have been some reports of stress among Perch and Murray Cod.

It is believed that with the lack of water movement recently in the weir pool and despite the cooler temperatures, high organic loads from recent flooding have depleted the water of oxygen.

Water quality staff from the NSW Office of Water and State Water Corporation are continuing to monitor and manage the situation.

Media contact: Bunty Driver 0407 40 3234

Our news releases are on the web www.water.nsw.gov.au