



RIVER MURRAY WEEKLY REPORT

FOR THE WEEK ENDING WEDNESDAY, 10TH APRIL 2013

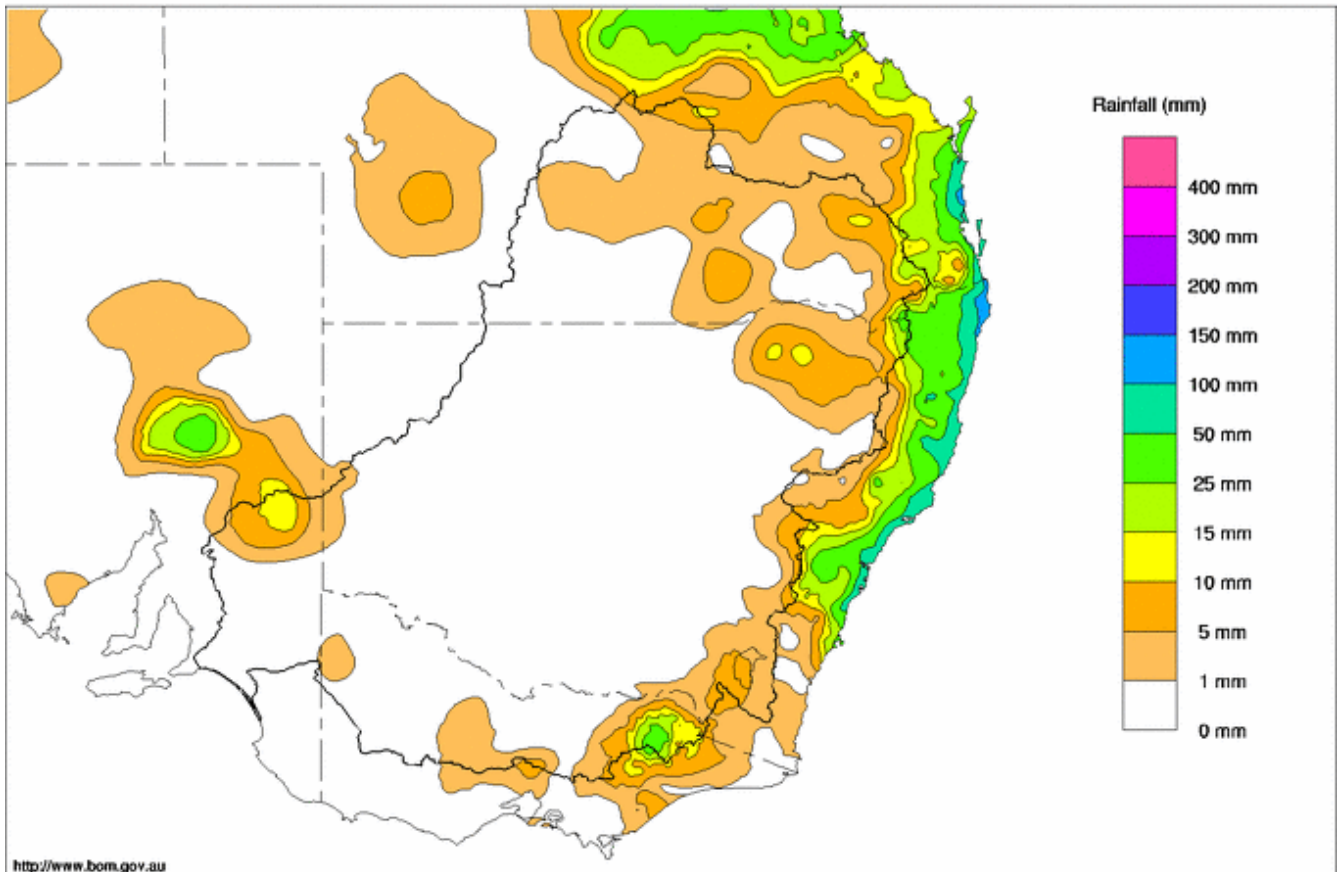
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Rainfall and Inflows

It was mostly dry across the Murray-Darling Basin this week, with rain that fell along Australia's east coast failing to penetrate inland much beyond the Great Divide. The wettest places were once again found across the Victorian Alps, far northern NSW and the most easterly parts of Queensland's Darling Downs (Map 1).

Highest rain totals in Victoria included 31 mm at Falls Creek, 30 mm at Mitta Mitta and 24 mm at Granite Flat. In NSW there was 17 mm at Warialda and 16 mm at Deepwater. Totals in Queensland included 36 mm at Wallangarra, 32 mm at Stanthorpe, 23 mm at The Head and 14 mm at Warwick.

Murray-Darling Rainfall Totals (mm) Week Ending 10th April 2013
Product of the National Climate Centre



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Map 1 - Murray-Darling Basin rainfall for the week ending 10 April 2013 (Source: Bureau of Meteorology).

The best stream flow responses in the upper Murray tributaries were in the Mitta Mitta River where the flow at Hinnomunjie Bridge increased from around 400 to 750 ML/day. On the upper River Murray, the flow at Biggara has held fairly steady at around 600 ML/day; while on the Ovens River, the flow at Wangaratta has receded from 950 to 750 ML/day.

On the Darling River, the flow at Bourke peaked on 9 April at 23,700 ML/day and without further rain, is expected to steadily recede for the rest of April. Downstream at Wilcannia, the flow has reached 17,200 ML/day and is heading towards a peak expected in the second half of April.



River Operations

MDBA active storage has decreased by 27 GL during the week to 5,718 GL (67% capacity).

At Dartmouth Reservoir, the storage volume decreased by 35 GL to 3,581 GL (93% capacity). The flow at Colemans gauge was increased to 8,000 ML/day at the beginning of the week and has since been reduced to 2,800 ML/day. The release will continue to be reduced over the coming week. These releases are part of continuing harmony transfers to provide a range of benefits, including additional flood mitigation capacity at Dartmouth Reservoir for the coming winter and spring.

At Hume Reservoir, the storage volume decreased by 25 GL to 1,449 GL (48%). The flow downstream at Doctors Point has averaged 12,800 ML/day during the past week with a current target of 11,500 ML/day. The flow should remain close to 11,500 ML/day for the next few days.

In Lake Mulwala, the water level is currently 124.81 m AHD after decreasing to 124.72 m AHD earlier in the week. The flow downstream of Yarrowonga Weir was maintained at 7,000 ML/day for most of the week and has now been increased to 7,200 ML/day.

The flow into the Edward River from the Murray was decreased to 900 ML/day during the week but is expected to be increased to 1,100 ML/day during the coming weekend. Flow through the Gulpa Creek offtake is currently at 250 ML/day. At Stevens Weir, the pool is currently 4.72 m on the local gauge and the downstream flow has averaged about 600 ML/day during the week.

On the Goulburn River, the flow at McCoys Bridge has continued to ease and is now at around 900 ML/day. At Torrumbarry Weir the downstream flow has decreased from 4,600 to 3,400 ML/day but is expected to remain above 3,000 ML/day in the coming week.

Downstream at Barham, the flow has decreased to 3,600 ML/day, but is expected to level out at around 3,300 ML/day in the days ahead. At Euston, the flow is currently 5,500 ML/day and the pool level is 47.55 m AHD, which is 5 cm below FSL.

High inflows continue into the Menindee Lakes, with the stored volume increasing by 39 GL during the week to a total volume of 1,166 GL (67% capacity). The release, measured at Weir 32, has increased to 7,700 ML/day with a target of 8,000 ML/day over the coming weeks.

At Wentworth Weir, the flow has increased to 9,100 ML/day and may be above 10,000 ML/day in a week's time. The water level in Lake Victoria has fallen slightly to 22.45 m AHD (196 GL, 29% capacity). The water level in Lake Victoria has been falling now since late in 2012, but is expected to begin rising in the next few days to begin increasing the volume towards the storage volume target of 350 GL for the end of May.

At the Lower Lakes, the five day average water level is currently 0.64 m AHD and has averaged 0.65 m AHD for much of the week. Additional gates were opened during the week at Goolwa and Tauwitchere barrages to enable a higher flow into the Coorong whilst conditions are favourable.

For media inquiries contact the Media Officer on 02 6279 0141

DAVID DREVERMAN
Executive Director, River Management



Water in Storage

Week ending Wednesday 10 Apr 2013

MDBA Storages	Full Supply Level	Full Supply Volume (GL)	Current Storage Level	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Total Storage for the Week (GL)
	(m AHD)		(m AHD)	(GL)	%			
Dartmouth Reservoir	486.00	3 856	481.71	3 581	93%	71	3 510	-35
Hume Reservoir	192.00	3 005	182.56	1 449	48%	23	1 426	-25
Lake Victoria	27.00	677	22.45	196	29%	100	96	-5
Menindee Lakes		1 731*		1 166	67%	(480 #)	686	+39
Total		9 269		6 392	69%	--	5 718	-27
Total Active MDBA Storage							67% ^	

Major State Storages

Burrinjuck Reservoir	1 026	389	38%	3	386	-1
Blowering Reservoir	1 631	975	60%	24	951	-9
Eildon Reservoir	3 334	2 415	72%	100	2 315	-38

* 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 09 Apr 2013

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2012
Lake Eucumbene - Total	1 889	n/a	Snowy-Murray	+15	791
Snowy-Murray Component	737	n/a	Tooma-Tumut	+1	208
Target Storage	1 340		Net Diversion	14	583
			Murray 1 Release	+22	1 059

Major Diversions from Murray and Lower Darling (GL) *

New South Wales	This Week	From 1 July 2012	Victoria	This Week	From 1 July 2012
Murray Irrig. Ltd (Net)	25.5	1404	Yarrowonga Main Channel (net)	14.1	346
Wakool Sys Allowance	3.2	67	Torrumbarry System + Nyah (net)	20.1	502
Western Murray Irrigation	0.5	28	Sunraysia Pumped Districts	2.1	118
Licensed Pumps	6.0	238	Licensed pumps - GMW (Nyah+u/s)	1.6	52
Lower Darling	0.1	94	Licensed pumps - LMW	n/a	277
TOTAL	35.3	1831	TOTAL	37.9	1295

* 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 normal entitlement for this month due to traded environmental water.

Entitlement this month	135.0 *	
Flow this week	51.5	(7 400 ML/day)
Flow so far this month	75.0	
Flow last month	261.6	

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

	Current	Average over the last week	Average since 1 August 2012
Swan Hill	100	100	100
Euston	120	130	130
Red Cliffs	140	140	140
Merbein	160	160	160
Burtundy (Darling)	479	476	470
Lock 9	410	450	260
Lake Victoria	330	330	250
Berri	410	410	310
Waikerie	430	440	330
Morgan	440	450	320
Mannum	520	510	330
Murray Bridge	510	510	350
Milang (Lake Alex.)	550	540	430
Poltalloch (Lake Alex.)	520	520	350
Meningie (Lake Alb.)	3 500	3 550	3 450
Goolwa Barrages	1 550	2 070	1 460



River Levels and Flows

Week ending Wednesday 10 Apr 2013

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	-	-	-	7 160	F	3 950	2 120
Jingellic	4.0	2.12	208.64	8 260	R	5 270	4 510
Tallandoon (Mitta Mitta River)	4.2	2.27	219.16	3 300	F	5 700	2 820
Heywoods	5.5	2.79	156.42	11 090	F	12 100	9 650
Doctors Point	5.5	2.71	151.18	11 340	F	12 800	10 450
Albury	4.3	1.70	149.14	-	-	-	-
Corowa	3.8	2.79	128.81	12 550	F	12 170	12 080
Yarrawonga Weir (d/s)	6.4	1.26	116.30	6 990	S	6 990	8 710
Tocumwal	6.4	1.89	105.73	7 060	F	7 210	8 700
Torrumbarry Weir (d/s)	7.3	1.34	79.88	3 380	F	4 210	4 980
Swan Hill	4.5	0.95	63.87	4 000	F	4 330	4 600
Wakool Junction	8.8	2.46	51.58	5 830	F	6 100	5 820
Euston Weir (d/s)	8.8	1.20	43.04	5 500	R	5 840	5 020
Mildura Weir (d/s)	-	-	-	5 940	F	5 350	4 970
Wentworth Weir (d/s)	7.3	3.09	27.85	9 140	R	8 210	8 030
Rufus Junction	-	3.53	20.46	6 290	F	6 640	7 760
Blanchetown (Lock 1 d/s)	-	0.73	-	6 100	R	6 230	6 900
Tributaries							
Kiewa at Bandiana	2.7	0.89	154.12	430	F	490	800
Ovens at Wangaratta	11.9	7.99	145.67	740	F	780	1 260
Goulburn at McCoys Bridge	9.0	1.50	92.92	880	S	920	1 530
Edward at Stevens Weir (d/s)	-	0.78	80.55	540	F	590	930
Edward at Liewah	-	1.65	57.03	990	R	960	780
Wakool at Stoney Crossing	-	1.60	55.09	870	R	810	730
Murrumbidgee at Balranald	5.0	1.07	57.03	670	R	590	410
Barwon at Mungindi	-	3.57	-	1 000	F	1 160	3 660
Darling at Bourke	-	8.17	-	23 540	F	23 080	19 700
Darling at Burtundy Rocks	-	2.70	-	4 120	R	3 910	3 790

Natural Inflow to Hume	270	2 810
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(i.e. Pre Dartmouth & Snowy Mountains scheme)

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
Yarrawonga	124.90	-0.09	-	No. 7 Rufus River	22.10	+0.06	+1.22
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.02	+0.19
No. 15 Euston	47.60	-0.05	-	No. 5 Renmark	16.30	+0.01	+0.27
No. 11 Mildura	34.40	+0.09	+0.14	No. 4 Bookpurnong	13.20	+0.04	+0.83
No. 10 Wentworth	30.80	+0.00	+0.45	No. 3 Overland Corner	9.80	+0.02	+0.34
No. 9 Kulnine	27.40	+0.08	+0.11	No. 2 Waikerie	6.10	+0.05	+0.29
No. 8 Wangumma	24.60	+0.11	+0.10	No. 1 Blanchetown	3.20	+0.06	-0.02

Lower Lakes FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days (m AHD)	0.64
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Barrages

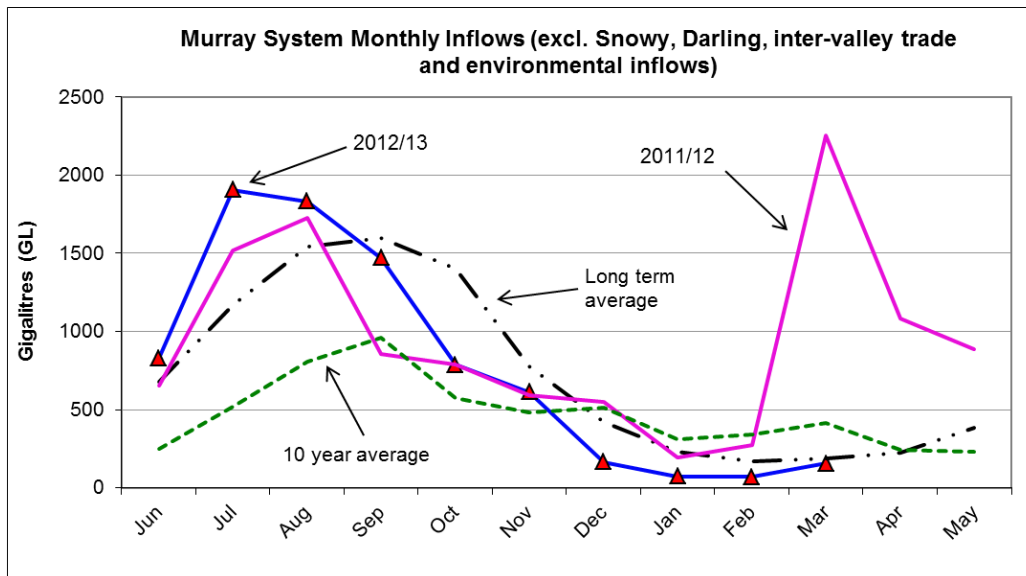
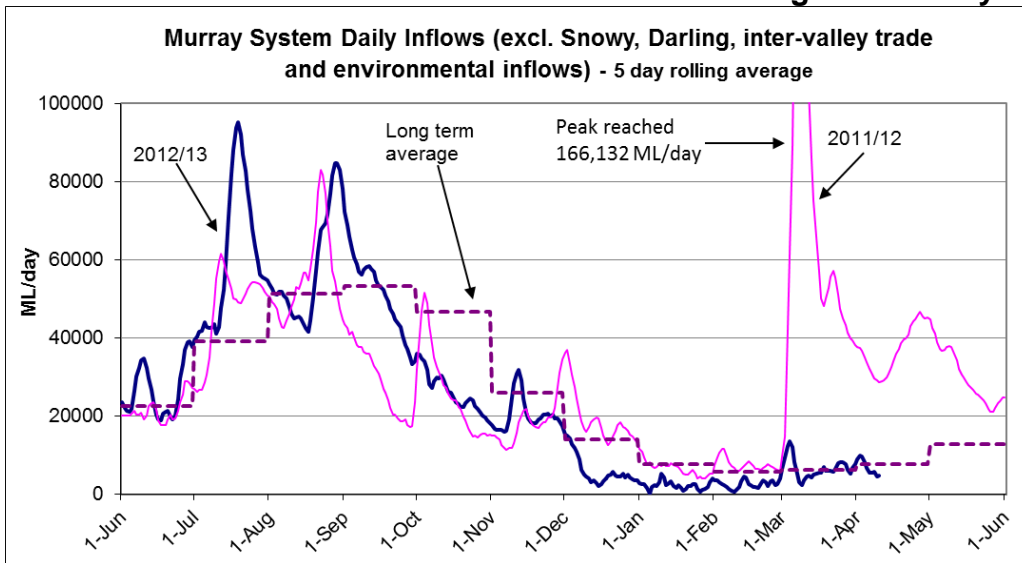
Fishways at Barrages

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.65	3	-	Open
Mundoo	26 openings	0.62	1	-	-
Boundary Creek	6 openings	-	0.1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.64	5	Open	Open

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



Week ending Wednesday 10 Apr 2013



State Allocations (as at 10 Apr 2013)

NSW - Murray Valley

High security	100%
General security	100%

Victorian - Murray Valley

High reliability	100%
Low reliability	0%

NSW - Murrumbidgee Valley

High security	100%
General security	100%

Victorian - Goulburn Valley

High reliability	100%
Low reliability	0%

NSW - Lower Darling

High security	100%
General security	100%

South Australia - Murray Valley

High security	100%
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NSW : <http://www.water.nsw.gov.au/About-us/Media-releases/media/default.aspx>
 VIC : <http://www.q-mwater.com.au/water-resources/allocations/current.asp>
 SA : <http://www.waterforgood.sa.gov.au/category/news/>