

# REPORT FOR THE WEEK ENDING

Wednesday, 29 June 2005

*Our Ref : M2005/00066/jde*  
*Trim Ref : 05/8337*

30 June, 2005



Some follow up rain has been received across the Victorian Alps and the north eastern parts of the Basin this week, whilst it has been generally dry elsewhere in the Basin. The highest rainfall was recorded in the Kiewa and Ovens catchments, receiving approximately 50 mm of rain compared to over 200 mm in the previous two weeks. The rainfall over the last few weeks has been very welcome in starting to “wet” the catchments.

The Darling catchment is currently receiving some heavy rainfall. The Bureau of Meteorology has issued minor to moderate flood warnings for parts of the Gwydir and Namoi Rivers. RMW will provide an update in next week’s Weekly Report on the likelihood of increased inflows into Menindee Lakes.

Victorian tributary inflows have steadily receded over the last week. The flow in the Kiewa River at Bandiana is currently 1 710 ML/day and the Ovens River at Wangaratta 2 280 ML/day. The inflow to the River Murray from the Goulburn and Murrumbidgee Rivers has only been small in comparison to the Kiewa and Ovens Rivers. Tributary inflows to the River Murray system to date have been well below average for this time of the year.

Total MDBC storage increased by 103 GL this week and is currently at 36 % capacity. The storage volume in Dartmouth Reservoir increased by 15 GL to 1 747 GL (45% capacity) and the storage in Hume Reservoir increased by 83 GL to 904 GL (30% capacity). Lake Victoria storage increased by 4 GL to 349 GL (52% capacity).

Total storage levels are approximately 545 GL more than at the same time last year.

## ***River Murray Operations***

The release from Yarrawonga Weir has been reduced to 6000 ML/day in line with declining inflows to Lake Mulwala, and the release from Hume Dam remains at a minimum level of 600 ML/day to meet the downstream requirements. The Edward River offtake has been fully opened allowing for fish passage and the fresh in the River Murray to pass through the Edward River system.

## ***Salinity Levels***

River Murray salinity levels remain stable under the current low flow conditions. The salinity at Wentworth is currently 170 EC, Lock 6 230 EC, Morgan 420 EC, Milang on Lake Alexandrina 1 410 EC and Meningie on Lake Albert 2 020 EC.

## ***Lower Lakes***

The level in the lower lakes has increased steadily over the last few weeks due to the recent heavy rainfall. Some localised flooding also occurred at Murray Bridge. The average level for both Lakes Alexandrina and Albert is 0.73 m AHD.

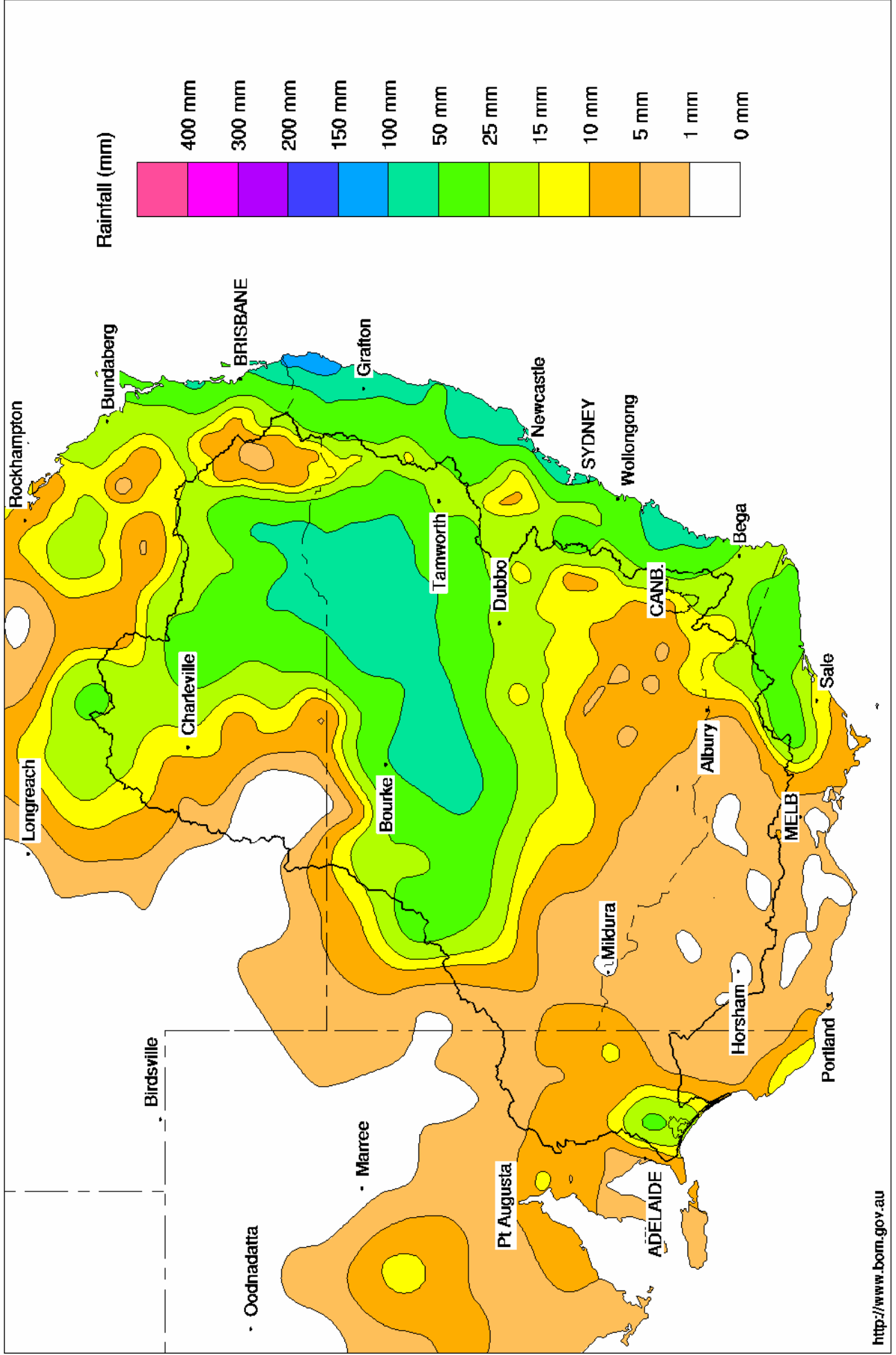
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# Murray Darling Rainfall Analysis (mm) Week Ending 29th June 2005

Product of the National Climate Centre



**Water in Storage**

MDBC Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage		Dead Storage (GL)	MDBC Active Storage (GL)	Change in Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	445.23	1 747	45%	80	1 667	+15
Hume Reservoir	192.00	3 038	177.70	904	30%	30	874	+83
Lake Victoria	27.00	677	24.05	349	52%	100	249	+4
Menindee Lakes		1 731 *		330	19%	(- -) #	0	+0
<b>Total</b>		<b>9 352</b>		<b>3 330</b>	<b>36%</b>	<b>--</b>	<b>2 790</b>	<b>+102</b>

\* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = **33%**

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

**Major State Storages**

Burrinjuck Reservoir	1 026	248	24%	3	245	+4
Blowering Reservoir	1 631	279	17%	24	255	+40
Eildon Reservoir	3 390	939	28%	100	839	+17

**Snowy Mountains Scheme**

Snowy diversions for week ending 28-Jun-2005

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2005
Lake Eucumbene - Total	1 775	-24	Snowy-Murray	+27	218
Snowy-Murray Component	772	-17	Tooma-Tumut	+6	18
Target Storage	1 240		Nett Diversion	21.1	201
			Murray 1 Release	+31	229

**Major Diversions from Murray and Lower Darling (GL)**

New South Wales	This week	From 1 July 2004
Murray Irrig. Ltd (Net)	.0	843.2
Wakool System loss	0.0	25.5
Western Murray Irrig.	0.0	31.8
Licensed Pumps	N/A *	338.8
Lower Darling	N/A *	36.5
<b>TOTAL</b>	<b>0.0</b>	<b>1 275.8</b>

Victoria	This week	From 1 July 2004
Yarrowonga Main Channel (net)	.0	388
Torrumbarry System + Nyah (net)	0.0	635
Sunraysia Pumped Districts	0.0	163
Licensed pumps - GMW (Nyah+u/s)	0.3	50
Licensed pumps - SRW	1.6	261
<b>TOTAL</b>	<b>1.9</b>	<b>1 497</b>

\* Some NSW Licensed Pumps & all Lower Darling values for this week were not available.

**Flow to South Australia (GL)**

Entitlement this month	90	(3 000 ML/day)
Flow this week	20.9	
Flow so far this month	87	
Flow last month	93	

**Salinity (EC)**

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2004
Swan Hill	130	150	110
Euston	200	150	120
Red Cliffs	160	170	140
Merbein	140	130	130
Burtundy (Darling)	520	520	540
Lock 9	180	170	150
Lake Victoria	190	190	190
Berri	290	290	240
Waikerie	450	450	370
Morgan	420	420	380
Mannum	400	400	450
Murray Bridge	370	380	470
Milang (Lake Alex.)	1 410	1 410	1 360
Poltalloch (Lake Alex.)	1 220	1 240	1 090
Meningie (Lake Alb.)	2 020	2 010	2 160
Goolwa Barrages	3 240	4 200	2 100



**River Levels and Flows**

	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)				
<b>River Murray</b>							
Khancoban	-	-	-	4 060	F	6 130	4 590
Jingellic	4.0	2.09	208.61	7 920	F	9 700	6 260
Tallandoon ( Mitta Mitta River )	4.2	1.58	218.47	1 130	F	1 460	1 340
Heywoods	5.5	1.19	154.82	600	S	600	650
Doctors Point	5.5	1.68	150.15	1 930	S	2 700	2 070
Albury	4.3	0.84	148.28	-	-	-	-
Corowa	7.0	0.80	126.82	2 150	F	3 150	1 990
Yarrowonga Weir (d/s)	6.4	1.30	116.34	6 850	F	7 260	4 200
Tocumwal	6.4	1.91	105.75	7 620	F	6 680	3 490
Torrumbarry Weir (d/s)	7.3	2.16	80.71	6 340	R	4 990	3 090
Swan Hill	4.5	0.99	63.91	4 480	R	3 730	2 800
Wakool Junction	8.8	2.09	51.21	4 310	R	3 690	3 050
Euston Weir (d/s)	8.8	0.85	42.69	3 700	R	3 430	3 200
Mildura Weir (d/s)	-	-	30.75	3 270	F	3 290	2 930
Wentworth Weir (d/s)	7.3	2.81	27.57	2 850	R	3 170	2 750
Rufus Junction	-	2.78	19.71	2 210	F	2 420	2 490
Blanchetown (Lock 1 d/s)	-	-	-	3 670	F	3 770	3 650
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.66	154.89	1 710	F	2 560	1 690
Ovens at Wangaratta	11.9	8.56	146.24	2 281	F	3 950	2 180
Goulburn at McCoys Bridge	9.0	1.59	93.01	1 032	F	1 040	660
Edward at Stevens Weir (d/s)	-	-	-	1 020	F	710	290
Edward at Liewah	-	1.00	56.38	494	R	440	320
Wakool at Stoney Crossing	-	0.21	54.70	105	S	110	110
Murrumbidgee at Balranald	5.0	0.57	56.53	249	F	250	210
Barwon at Mungindi	-	3.18	-	30	R	10	10
Darling at Bourke	-	4.08	-	322	R	100	60
Darling at Burtundy Rocks	-	0.67	-	36	F	50	50

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	10 680	5 390
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**Weirs and Locks**

**Pool levels above or below design level**

<b>Murray</b>	FSL (m AHD)	u/s	d/s		FSL (m AHD)	u/s	d/s
Yarrowonga	124.90	-0.05	-	No. 7 Rufus River	22.10	+0.11	+0.49
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.03	+0.00
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.02	+0.12
No. 11 Mildura	34.40	-0.01	-0.05	No. 4 Bookpurnong	13.20	+0.01	+0.30
No. 10 Wentworth	30.80	-0.07	+0.17	No.3 Overland Corner	9.80	+0.05	+0.16
No. 9 Kulnine	27.40	+0.02	+0.00	No. 2 Waikerie	6.10	+0.03	+0.10
No. 8 Wangumma	24.60	+0.01	+0.13	No 1. Blanchetown	3.20	+0.03	-0.01

<b>Murrumbidgee</b>	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.06	0.54	69.89	243
No. 5 Redbank	66.90	+0.04	-	-	-9

**Lower Lakes**

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.73

**Barrages**

	Openings	Level (m AHD)	Status
Goolwa	128 openings	0.80	All closed
Mundoo	26 openings	-	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.76	All closed

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