

# REPORT FOR THE WEEK ENDING

Wednesday, 6 June 2007

*Our Ref : M2005/00002/acs, pcb  
Trim Ref : 07/7841*

8 June, 2007



## Rainfall

The southern half of the Basin received light to moderate rainfall over the past 7 days. Along the lower Murray in South Australia and in the western regions of Victoria weekly rainfall ranged between 5 to 15 mm. In north-eastern Victoria higher falls of 15 to 50 mm were recorded in most areas. The Ovens valley received some of the higher falls, with Rocky Point recording 56 mm and Mt Hotham 65mm.

## River Operations

In response to the rain at the end of May, the Mitta Mitta River reached a peak flow at Hinnomunjie Bridge (upstream of Dartmouth Reservoir) of 3 600 ML/day on 30<sup>th</sup> May and has receded to 1 200 ML/day over the past week. During the week, storage in Dartmouth Reservoir increased by 9 GL and is now at 12 % capacity. Storage in Hume Reservoir increased by 36 GL as a result of increased unregulated inflows from the upper Murray and also Snowy Hydro releases through Murray 1 Power Station. Hume Reservoir is now at 8 % capacity.

The Kiewa River at Bandiana reached a peak flow of 2 300 ML/day on the 4<sup>th</sup> June and is now steadily receding. The biggest response to recent rainfall was in the Ovens River which reached a peak flow at Wangaratta of 6 000 ML/day on 5<sup>th</sup> June.

The peak in flows from the Ovens and Kiewa Rivers is currently passing through Yarrawonga Weir, with the downstream release increasing to 6 000 ML/day. Losses will be kept to a minimum by passing the bulk of this water along the main channel of the River Murray. As part of this strategy, the Gulpa Creek offtake will be regulated to a maximum flow of 80 ML/day and the Edward River offtake to 100 ML/day.

The flow peak in the River Murray will gradually attenuate as it moves further downstream over the next few weeks. A peak flow of about 5 000 ML/day is expected to arrive at Torrumbarry Weir in mid June and at Euston Weir one week later.

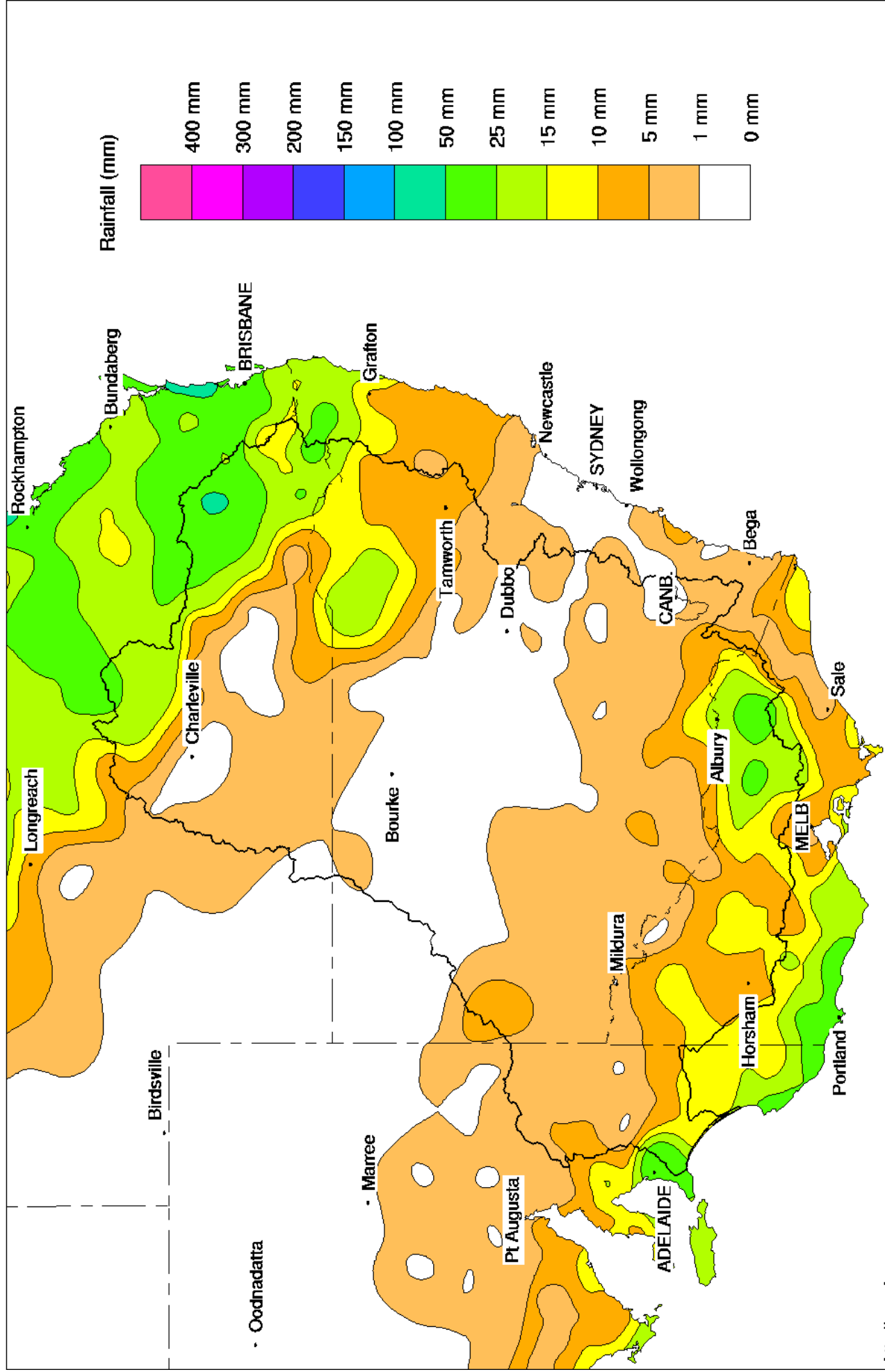
When these increased flows reach Lock 9, they will be diverted to Lake Victoria for storage. The current storage volume is 247 GL (36 % capacity), and is expected to increase to about 281 GL by the end of the June. If there is no significant rain during June, flow in the River Murray upstream of Lock 9 will gradually return towards the minimums experienced in late May.

As part of the drought contingency plan, the flow to South Australia was reduced on 1<sup>st</sup> June to a target of 960 ML/day. The upstream levels of all weir pools along the River Murray system downstream of Yarrawonga Weir continue to be held near their full supply levels. During the past week, the average level of the Lower Lakes has risen by 3 cm to 0.15 m AHD, due to the effects local rain and reduced evaporation.

DAVID DREVERMAN  
General Manager

# Murray Darling Rainfall Analysis (mm) Week Ending 6th June 2007

Product of the National Climate Centre



**Week ending Wednesday 06 Jun 2007**

**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	401.22	484	12%	80	404	+9
Hume Reservoir	192.00	3 038	169.70	258	8%	30	228	+36
Lake Victoria	27.00	677	23.00	247	36%	100	147	+4
Menindee Lakes		1 731 *		98	6%	(- -) #	0	-1
<b>Total</b>		<b>9 352</b>		<b>1 087</b>	<b>12%</b>	<b>--</b>	<b>779</b>	<b>+48</b>

\* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = **9%**

# 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	254	25%	3	251	+2
Blowering Reservoir	1 631	272	17%	24	248	+16
Eildon Reservoir	3 390	249	7%	100	149	+34

**Snowy Mountains Scheme**

Snowy diversions for week ending 05-Jun-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	160	-9	Snowy-Murray	+17	64
Snowy-Murray Component	210	-6	Tooma-Tumut	+4	4
Target Storage	1 240		Nett Diversion	12.8	60
			Murray 1 Release	+21	86

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

New South Wales	This week	From 1 July 2006
Murray Irrig. Ltd (Net)	.0	374.4
Wakool System loss	-0.7	68.7
Western Murray Irrig.	0.0	23.2
Licensed Pumps	n/a	176.1
Lower Darling	0.0	18.3
<b>TOTAL</b>	<b>-0.7</b>	<b>660.7</b>

Victoria	This week	From 1 July 2006
Yarrawonga Main Channel (net)	.0	411
Torrumbarry System + Nyah (net)	2.4	614
Sunraysia Pumped Districts	0.2	135
Licensed pumps - GMW (Nyah+u/s)	0.2	159
Licensed pumps - LMW	1.6	226
<b>TOTAL</b>	<b>4.5</b>	<b>1 545</b>

**Flow to South Australia (GL)**

Entitlement this month	90 *	(1 000 ML/day)
Flow this week	7.3	
Flow so far this month	6	
Flow last month	52	

\* reduced to approx. 30GL during June drought contingency operations

**Salinity (EC)**

**(microsiemens/cm @ 25° C)**

	Current	Average over the last week	Average since 1 August 2006
Swan Hill	70	120	80
Euston	130	130	100
Red Cliffs	130	130	110
Merbein	150	140	110
Burtundy (Darling)	1 080	1 030	890
Lock 9	160	160	130
Lake Victoria	190	190	170
Berri	420	430	260
Waikerie	450	460	330
Morgan	430	430	370
Mannum	450	430	430
Murray Bridge	510	510	440
Milang (Lake Alex.)	1 530	1 540	1 340
Poltalloch (Lake Alex.)	1 660	1 410	1 200
Meningie (Lake Alb.)	2 300	2 290	2 350
Goolwa Barrages	18 220	19 230	4 540



**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	-	-	-	3 090	F	3 530	3 810
Jingellic	4.0	1.59	208.11	3 850	F	5 030	3 270
Tallandoon ( Mitta Mitta River )	4.2	1.40	218.29	610	F	730	480
Heywoods	5.5	1.17	154.80	600	S	600	600
Doctors Point	5.5	1.67	150.14	2 020	F	2 130	1 140
Albury	4.3	0.80	148.24	-	-	-	-
Corowa	7.0	0.84	126.86	2 280	R	1 830	1 260
Yarrowonga Weir (d/s)	6.4	1.16	116.20	5 960	R	3 810	1 550
Tocumwal	6.4	1.39	105.23	4 710	R	2 810	1 860
Torrumbarry Weir (d/s)	7.3	1.03	79.58	2 310	R	1 800	1 620
Swan Hill	4.5	0.53	63.45	1 420	F	1 490	1 490
Wakool Junction	8.8	1.40	50.52	2 210	F	2 240	2 300
Euston Weir (d/s)	8.8	0.51	42.35	2 200	F	2 250	2 410
Mildura Weir (d/s)	-	-	30.80	2 310	F	2 300	2 650
Wentworth Weir (d/s)	7.3	2.83	27.59	2 140	S	2 230	2 480
Rufus Junction	-	2.45	19.38	750	S	860	1 140
Blanchetown (Lock 1 d/s)	-	0.13	-	1 350	S	1 720	2 060
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.61	154.84	1 540	F	1 690	620
Ovens at Wangaratta	11.9	9.32	147.00	4 805	F	3 640	590
Goulburn at McCoys Bridge	9.0	1.25	92.67	535	R	440	380
Edward at Stevens Weir (d/s)	-	0.37	80.14	150	F	150	150
Edward at Liewah	-	0.71	56.09	321	F	330	360
Wakool at Stoney Crossing	-	0.25	54.74	149	F	170	200
Murrumbidgee at Balranald	5.0	0.46	56.42	191	F	200	190
Barwon at Mungindi	-	3.18	-	23	F	20	2 160
Darling at Bourke	-	4.00	-	67	F	160	1 070
Darling at Burtundy Rocks	-	0.69	-	43	S	50	60

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	5 110	2 270
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**Weirs and Locks**

**Pool levels above or below design level**

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	+0.03	+0.12
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.03	+0.00
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	+0.06	+0.16
No. 11 Mildura	34.40	+0.01	+0.00	No. 4 Bookpurnong	13.20	+0.02	+0.14
No. 10 Wentworth	30.80	+0.00	+0.19	No.3 Overland Corner	9.80	+0.01	+0.10
No. 9 Kulnine	27.40	+0.04	+0.13	No. 2 Waikerie	6.10	+0.02	+0.07
No. 8 Wangumma	24.60	+0.16	+0.02	No 1. Blanchetown	3.20	+0.04	-0.62

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-4.51	0.58	69.93	278
No. 5 Redbank	66.90	-4.10	0.14	61.44	261



**Lower Lakes**

FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days	(m AHD)
	0.15

**Barrages**

**Fishways @ Barrages**

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.20	All closed	-	Closed
Mundoo	26 openings	0.10	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwitchere	322 gates	0.19	All closed	Closed	Closed

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