

# REPORT FOR THE WEEK ENDING

Wednesday, 28 June 2006



*Our Ref : M2006/00012/prs, sc*  
*Trim Ref : M2006/00012*

30 June, 2006

## Rainfall and Inflows

The southeast of the Basin received some welcome rain this week, with 25 - 50 mm falling in parts of the Ovens, Kiewa and Upper Murray catchments. However, there was only a small and brief increase in inflows to the River Murray System.

## River Murray System Operations

Release from Hume Reservoir has been maintained at about 900 ML/day to provide the minimum flow at Doctors Point of about 1 200 ML/day. If conditions remain dry over the coming week, it is likely that the release from Hume Reservoir will be gradually increased to allow for an increase in irrigation diversions along the river system.

Release downstream of Yarrawonga Weir has been increased from 1 800 ML/day up to 2 200 ML/day to pass the slightly higher inflow from the Ovens River as a result of the rain last weekend. Further small increases in release downstream of Yarrawonga Weir are likely to occur over the coming week.

Despite the rain in the upper catchment, the flow along the River Murray downstream of Torrumbarry Weir remains at very low levels. In response, the Torrumbarry Weir pool continues to be gradually lowered to assist in maintaining sufficient river flow further downstream. The upper pool level is currently 85.84 m AHD (21 cm below full supply level) and further gradual lowering of the weir pool will continue over the coming week. The river level at Swan Hill temporarily increased from 0.65 to 0.69 m (gauge height) during the week due to local rainfall but it is expected to fall this week unless there is follow-up rain.

The upstream pool level at Euston Weir is also being lowered to assist in meeting downstream flow requirements. The weir pool level is currently 47.51 m AHD (9 cm below full supply level) and if conditions remain dry, it is likely to be gradually lowered by up to 40 cm below full supply level.

The flow downstream of Wentworth Weir has been steady during the week at about 2 300 ML/day, but may reduce over the coming week if irrigation demand increases in Sunraysia in response to the continuing dry and frosty conditions.

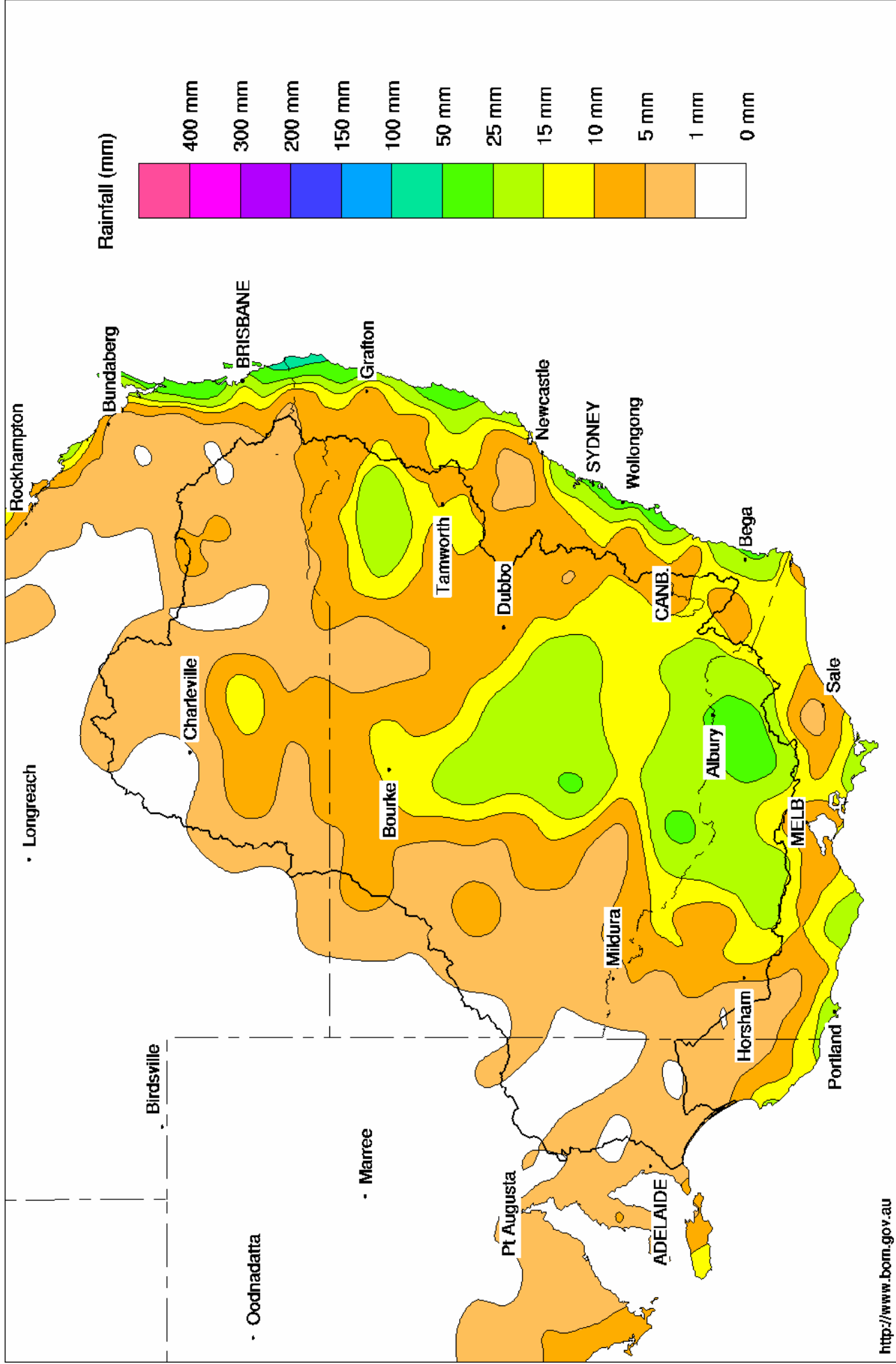
The flow to South Australia is currently at the entitlement rate of 3 000 ML/day. Over the coming weekend it will be increased to 3 500 ML/day in order to meet the July entitlement flow of 109 GL. The salinity of the River Murray at Morgan has fallen from 440 EC down to 400 EC.

The level of the Lower Lakes has been steady at about 0.78m AHD (3 cm above FSL). The fishways at Tauwichee and Goolwa Barrages are currently open, and there is an additional release from Tauwichee, Goolwa and Boundary Creek Barrages totalling about 800 ML/day.

DAVID DREVERMAN  
General Manager

# Murray Darling Rainfall Analysis (mm) Week Ending 28th June 2006

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	462.35	2 529	65%	80	2 449	+2
Hume Reservoir	192.00	3 038	174.79	626	21%	30	596	+44
Lake Victoria	27.00	677	24.71	418	62%	100	318	-11
Menindee Lakes		1 731 *		269	16%	(- -) #	0	+1
<b>Total</b>		<b>9 352</b>		<b>3 842</b>	<b>41%</b>	<b>--</b>	<b>3 362</b>	<b>+36</b>

\* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = **40%**

# 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		345	34%	3	342	-0
Blowering Reservoir	1 631		870	53%	24	846	+18
Eildon Reservoir	3 390		747	22%	100	647	+4

**Snowy Mountains Scheme**

Snowy diversions for week ending 27-Jun-2006

Storage	Active storage (GL)	Weekly change (GL)	Diversions (GL)	This week	From 1 May 2006
Lake Eucumbene - Total	1 050	-52	Snowy-Murray	+35	212
Snowy-Murray Component	687	-33	Tooma-Tumut	+0	11
Target Storage	1 240		Nett Diversion	35.5	201
			Murray 1 Release	+31	235

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

New South Wales	This week	From 1 July 2005
Murray Irrig. Ltd (Net)	.0	1 206.3
Wakool System loss	-0.2	32.5
Western Murray Irrig.	0.1	29.4
Licensed Pumps	1.9	392.4
Lower Darling	0.1	65.1
<b>TOTAL</b>	<b>1.9</b>	<b>1 725.6</b>

Victoria	This week	From 1 July 2005
Yarrawonga Main Channel (net)	.0	402
Torrumbarry System + Nyah (net)	0.0	753
Sunraysia Pumped Districts	1.4	146
Licensed pumps - GMW (Nyah+u/s)	0.8	62
Licensed pumps - LMW	2.4	259
<b>TOTAL</b>	<b>4.7</b>	<b>1 622</b>

**Flow to South Australia (GL)**

Entitlement this month	90	
Flow this week	20.5	(2 900 ML/day)
Flow so far this month	84	
Flow last month	91	

**Salinity (EC)**

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2005
Swan Hill	40	50	100
Euston	110	110	110
Red Cliffs	160	140	130
Merbein	70	60	110
Burtundy (Darling)	640	650	600
Lock 9	110	110	130
Lake Victoria	150	140	190
Berri	230	240	230
Waikerie	380	400	340
Morgan	410	430	340
Mannum	380	380	360
Murray Bridge	330	330	360
Milang (Lake Alex.)	1 210	1 210	1 240
Poltalloch (Lake Alex.)	630	690	960
Meningie (Lake Alb.)	2 350	2 380	2 200
Goolwa Barrages	1 400	1 400	1 880



**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	-	-	-	5 130	F	5 000	5 790
Jingellic	4.0	1.86	208.38	5 960	S	6 060	6 500
Tallandoon ( Mitta Mitta River )	4.2	1.57	218.46	1 010	R	740	720
Heywoods	5.5	1.35	154.98	930	S	750	690
Doctors Point	5.5	1.54	150.01	1 310	F	1 260	1 250
Albury	4.3	0.72	148.16	-	-	-	-
Corowa	7.0	0.59	126.61	1 550	F	1 700	1 690
Yarrowonga Weir (d/s)	6.4	0.42	115.46	2 020	R	1 850	1 810
Tocumwal	6.4	0.88	104.72	2 130	S	2 160	2 170
Torrumbarry Weir (d/s)	7.3	1.02	79.57	2 240	R	2 190	1 970
Swan Hill	4.5	0.68	63.60	2 360	F	2 220	2 090
Wakool Junction	8.8	1.55	50.67	2 490	R	2 450	2 650
Euston Weir (d/s)	8.8	0.65	42.49	2 710	R	2 590	2 930
Mildura Weir (d/s)	-	-	-	2 260	F	2 390	2 640
Wentworth Weir (d/s)	7.3	2.78	27.54	2 320	S	2 460	2 440
Rufus Junction	-	2.85	19.78	2 570	S	2 500	2 540
Blanchetown (Lock 1 d/s)	-	0.72	-	2 930	S	2 910	3 220
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	0.90	154.13	460	F	550	630
Ovens at Wangaratta	11.9	7.83	145.51	497	F	520	380
Goulburn at McCoys Bridge	9.0	1.21	92.63	463	S	410	380
Edward at Stevens Weir (d/s)	-	0.43	-	190	F	200	180
Edward at Liewah	-	0.55	55.93	239	F	290	520
Wakool at Stoney Crossing	-	0.15	54.64	60	F	70	110
Murrumbidgee at Balranald	5.0	0.49	56.45	209	F	210	220
Barwon at Mungindi	-	3.14	-	0	F	0	0
Darling at Bourke	-	4.03	-	127	R	90	90
Darling at Burtundy Rocks	-	0.65	-	10	S	10	10

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	2 410	2 380
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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	-0.22	-	No. 7 Rufus River	22.10	+0.07	+0.57
No 26 Torrumbarry	86.05	-0.20	-	No. 6 Murtho	19.25	+0.03	-0.01
No. 15 Euston	47.60	-0.08	-	No. 5 Renmark	16.30	+0.02	+0.10
No. 11 Mildura	34.40	+0.02	+0.00	No. 4 Bookpurnong	13.20	+0.02	+0.33
No. 10 Wentworth	30.80	+0.00	+0.14	No.3 Overland Corner	9.80	+0.01	+0.13
No. 9 Kulnine	27.40	+0.01	-0.02	No. 2 Waikerie	6.10	+0.02	+0.03
No. 8 Wangumma	24.60	+0.00	+0.08	No 1. Blanchetown	3.20	+0.00	-0.03

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.86	0.58	69.93	278
No. 5 Redbank	66.90	-1.88	0.11	61.41	236



**Lower Lakes**

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.77

**Barrages**

**Fishways @ Barrages**

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.82	1	-	Open
Mundoo	26 openings	0.78	All closed	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.82	2	Open	Open

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