

REPORT FOR THE WEEK ENDING

Wednesday, 12 July 2006



Our Ref : M2006/00012/prs, dwg
Trim Ref : 06/15559

14 July, 2006

Rainfall and Inflows

Dry conditions prevailed across most of the Basin this week (*see attached map*), however light showers provided 5-10 mm of rain in parts of north-east Victoria. The Bureau of Meteorology has forecast widespread rain across south-eastern Australia this weekend. Hopefully this will improve inflows to the River Murray System, which over the past 6 months have been very low (at a level expected to be exceeded 99 years in 100).

River Murray Operations

In preparation for the coming irrigation season, the release from Hume Reservoir has been increased to provide a flow at Doctors Point of about 8 000 ML/day, up from 6 500 ML/day last week. A further increase in the release from Hume Reservoir is expected over the coming week if there is no significant rainfall.

The higher release from Hume Reservoir since early July is slowly making its way along the River Murray. Over the past week, the flow downstream of Yarrawonga Weir has increased from 4 500 ML/day to 7 000 ML/day, and the flow downstream of Torrumbarry Weir has increased from 2 500 ML/day to 5 600 ML/day. At Swan Hill the flow is currently 3 200 ML/day (0.82 m gauge height) and is expected to increase to about 4 400 ML/day (1.0 m) this Saturday.

Flow along the Edward River and the Gulpa Creek have been increased to 1 200 ML/day and 350 ML/day respectively. This will enable the refilling of the Stevens Weir pool and an increased flow along the Edward/Wakool River System over the coming weeks.

Over the past month the level of Euston Weir pool has been gradually lowered to assist meeting downstream water requirements. This upstream level is currently 47.34 m AHD (26 cm below FSL) and the higher flows in transit will now allow the weir pool to be gradually refilled over the coming weeks.

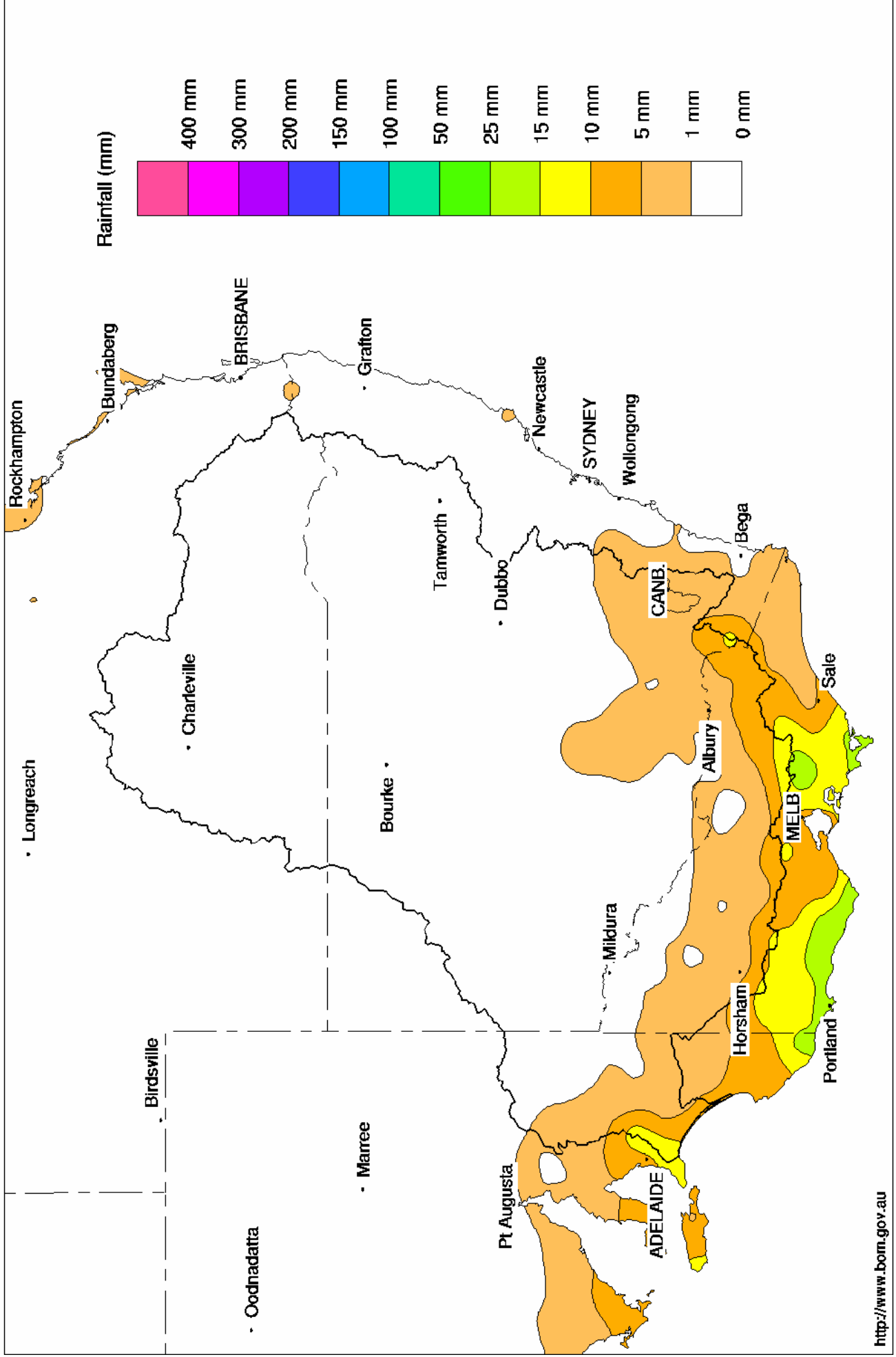
As indicated last week, the Lock 8 upstream pool level is being gradually lowered below to about 40 cm below FSL gain a better understanding of the wide range of interests associated with manipulating weir pool levels along the River Murray. The weir pool is currently (14 July) 9 cm below FSL.

Release downstream of Lock 1 has been increased from 2 900 ML/day to 3 500 ML/day as a result of the upper pool level of Lock 2 being lowered to FSL after being several centimetres above FSL over the past few weeks. This will provide an additional inflow to the Lower Lakes, which are currently at 0.79 m AHD (4 cm above FSL). A small number of gates remain open at Goolwa, Tauwitchere and Boundary Creek Barrages.

DAVID DREVERMAN
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 12th July 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	462.36	2 529	65%	80	2 449	+0
Hume Reservoir	192.00	3 038	175.21	663	22%	30	633	+3
Lake Victoria	27.00	677	24.49	395	58%	100	295	-11
Menindee Lakes		1 731 *		266	15%	(- -) #	0	-1
Total		9 352		3 854	41%	--	3 377	-10

* 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	-1
Blowering Reservoir	1 631		912	56%	24	888	+31
Eildon Reservoir	3 390		754	22%	100	654	+4

Snowy Mountains Scheme

Snowy diversions for week ending 11-Jul-2006

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2006
Lake Eucumbene - Total	938	-54	Snowy-Murray	+34	282
Snowy-Murray Component	622	-33	Tooma-Tumut	+1	13
Target Storage	1 170		Nett Diversion	33.5	269
			Murray 1 Release	+35	312

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2006
Murray Irrig. Ltd (Net)	.0	.0
Wakool System loss	0.2	.3
Western Murray Irrig.	0.1	.2
Licensed Pumps	0.8	1.3
Lower Darling	0.1	.1
TOTAL	1.2	1.9

Victoria	This week	From 1 July 2006
Yarrowonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	0.0	
Sunraysia Pumped Districts	0.5	
Licensed pumps - GMW (Nyah+u/s)	0.0	1
Licensed pumps - LMW	0.0	2
TOTAL	0.4	3

Flow to South Australia (GL)

Entitlement this month	108.5	
Flow this week	24.5	(3 500 ML/day)
Flow so far this month	42	
Flow last month	90	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2005
Swan Hill	120	90	100
Euston	140	130	110
Red Cliffs	160	160	130
Merbein	100	100	110
Burtundy (Darling)	640	700	610
Lock 9	120	110	130
Lake Victoria	160	160	190
Berri	230	230	230
Waikerie	380	370	340
Morgan	400	410	340
Mannum	390	380	360
Murray Bridge	330	340	360
Milang (Lake Alex.)	1 170	1 180	1 240
Poltalloch (Lake Alex.)	680	660	950
Meningie (Lake Alb.)	2 020	2 220	2 210
Goolwa Barrages	1 460	1 430	1 860

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)				
River Murray							
Khancoban	-	-	-	5 550	F	5 250	5 910
Jingellic	4.0	2.02	208.54	7 330	R	6 110	6 610
Tallandoon (Mitta Mitta River)	4.2	1.61	218.50	1 110	R	710	740
Heywoods	5.5	2.31	155.94	6 890	R	5 770	2 060
Doctors Point	5.5	2.46	150.93	8 120	R	6 710	2 600
Albury	4.3	1.44	148.88	-	-	-	-
Corowa	7.0	1.74	127.76	6 440	S	6 060	2 010
Yarrowonga Weir (d/s)	6.4	1.32	116.36	6 970	S	6 340	2 470
Tocumwal	6.4	1.81	105.65	7 150	R	5 670	2 520
Torrumbarry Weir (d/s)	7.3	1.84	80.39	5 200	R	3 430	2 220
Swan Hill	4.5	0.76	63.68	2 860	R	2 560	2 280
Wakool Junction	8.8	1.71	50.83	2 990	R	2 800	2 570
Euston Weir (d/s)	8.8	0.74	42.58	3 140	F	3 150	2 850
Mildura Weir (d/s)	-	-	-	2 920	F	2 560	2 350
Wentworth Weir (d/s)	7.3	2.84	27.60	2 760	R	2 500	2 350
Rufus Junction	-	2.86	19.79	3 040	F	3 090	3 080
Blanchetown (Lock 1 d/s)	-	0.75	-	3 070	S	3 110	2 870
Tributaries							
Kiewa at Bandiana	2.7	0.97	154.20	550	S	540	460
Ovens at Wangaratta	11.9	7.85	145.53	533	R	570	590
Goulburn at McCoys Bridge	9.0	1.30	92.72	610	S	580	470
Edward at Stevens Weir (d/s)	-	0.39	-	160	F	180	180
Edward at Liewah	-	0.93	56.31	444	S	420	300
Wakool at Stoney Crossing	-	0.10	54.59	32	F	40	50
Murrumbidgee at Balranald	5.0	0.50	56.46	214	R	210	210
Barwon at Mungindi	-	3.06	-	0	F	0	0
Darling at Bourke	-	4.01	-	85	F	100	130
Darling at Burtundy Rocks	-	0.66	-	18	S	10	10

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	1 590	1 580
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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	-0.31	-	No. 7 Rufus River	22.10	+0.08	+0.57
No 26 Torrumbarry	86.05	-0.34	-	No. 6 Murtho	19.25	+0.01	+0.01
No. 15 Euston	47.60	-0.28	-	No. 5 Renmark	16.30	+0.03	+0.12
No. 11 Mildura	34.40	+0.06	+0.06	No. 4 Bookpurnong	13.20	+0.04	+0.39
No. 10 Wentworth	30.80	+0.04	+0.20	No.3 Overland Corner	9.80	+0.04	+0.15
No. 9 Kulnine	27.40	+0.05	-0.03	No. 2 Waikerie	6.10	+0.02	+0.06
No. 8 Wangumma	24.60	-0.02	+0.10	No 1. Blanchetown	3.20	+0.01	+0.00

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.88	0.74	70.09	445
No. 5 Redbank	66.90	-1.84	0.11	61.41	236



Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.78

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.85	1	-	Open
Mundoo	26 openings	0.80	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