

REPORT FOR THE WEEK ENDING

Wednesday, 27 August 2003

Our Ref: RMW305/01//01/mas

29 August, 2003



Rainfall

The upper Murray received good falls over the weekend through to 9 am on 25 August (see map attached), with over 100 mm in areas of the Ovens, Hume and Dartmouth catchments. Sites throughout the Kiewa catchment also recorded over 80 mm.

Commission Storages

Inflow to Dartmouth peaked at around 21 000 ML/day on Monday 25 August and has since receded to less than 10 000 ML/day. Inflow to Hume peaked at 44 5000 ML/day late in the week. Upper Murray storage volume has increased by 257 GL. Storage in Hume has reached 1 323 GL (43.6% of capacity) and in Dartmouth 1 408 GL (36.1% of capacity). This compares with volumes of 836 GL in Hume and 2 960 GL in Dartmouth for the same time last year. Storage volumes are forecast to continue to rise, at lower rates, as inflows recede next week.

System Operation

This week's rainfall has produced the best River Murray flows since late 2000. Inflows to the River Murray from the Kiewa peaked on Monday at 13 300 ML/day. Ovens inflows to the River Murray peaked at 51 000 ML/d by Tuesday 26 August. Release from Yarrawonga Weir was increased to 49 000 ML/d by Wednesday 27 August. Without further significant rain releases will be gradually reduced over the next week.

Inflow from the Goulburn River to the River Murray reached 7 600 ML/day, and a peak near 20 000 ML/d is expected early next week. Flow at Torrumbarry is forecast to peak near 28 000 ML/d in early September. Inflows from the Murrumbidgee to the Murray are likely to be low, and not add significantly to the forecast peak of about 28 000 ML/d at Euston.

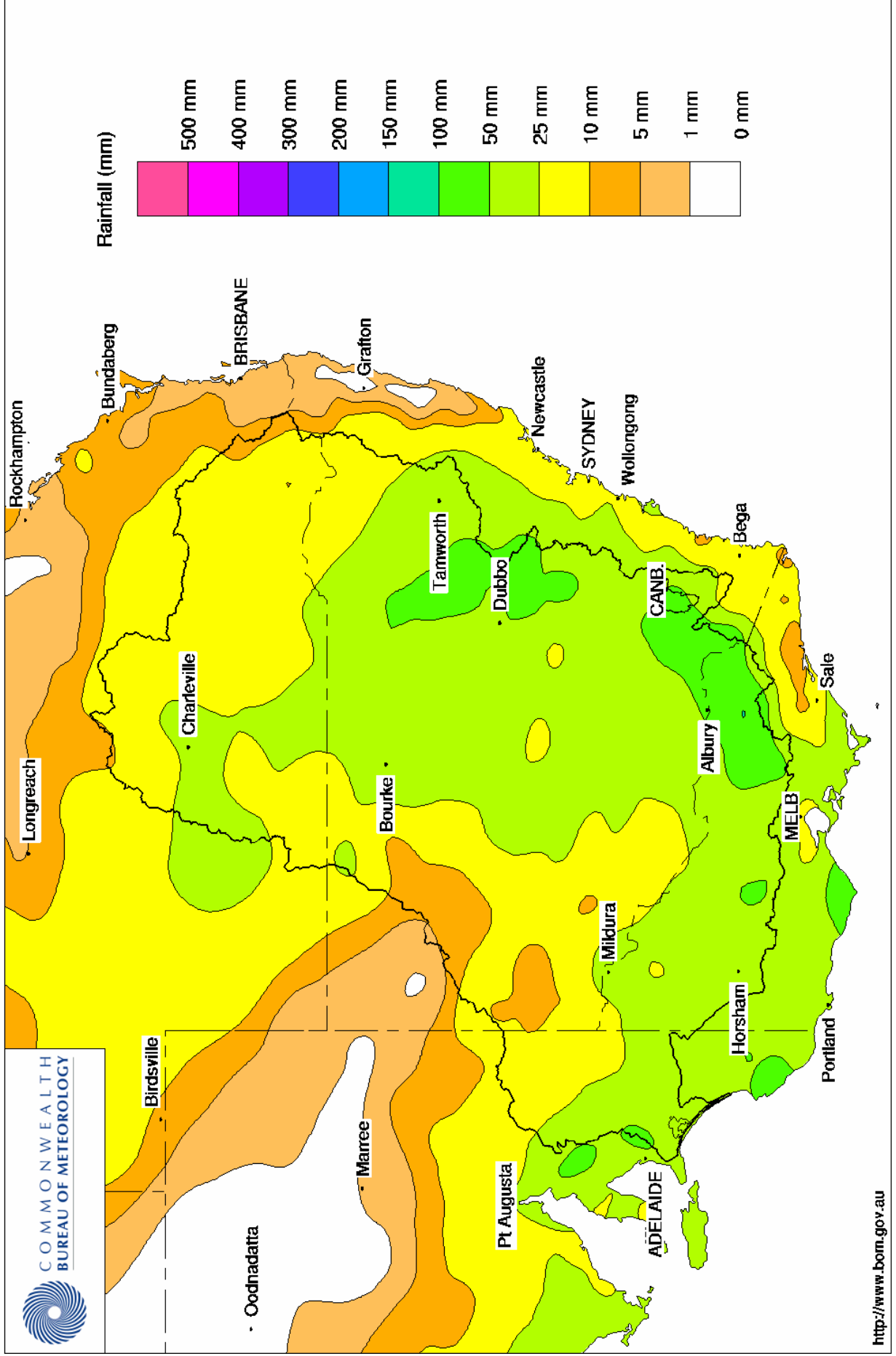
Storage in Lake Victoria rose 51 GL and is currently 478 GL (70% of capacity, and about 1.9 m below full supply level). The Lake is now expected to approach capacity following last weekend's rain. Flows along the mid Murray continue to be greater than the Lake inlet capacity plus the required flow to South Australia for August 2003.

Flow to South Australia remained above 4 000 ML/d during the last week and reached 5 200 ML/d by Wednesday. Preliminary estimates indicate that flows from recent rain may cause the flow to South Australia to peak in mid-late September above 15 000 ML/d.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 27th August 2003

Product of the National Climate Centre



Week ending Wednesday 27 Aug 2003

Water in Storage

MDBC Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	436.32	1 409	36%	80	1 329	+56
Hume Reservoir	192.00	3 038	181.37	1 324	44%	30	1 294	+202
Lake Victoria	27.00	680	25.14	478	70%	100	378	+51
Menindee Lakes		1 603 *		71	4%	640 #	0	+1
Total		9 227		3 281	36%	850	3 000	+309

* Menindee surcharge capacity 1916 GL

% of Total Active MDBC Storage = **36%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1 026	248	24%	3	245	+90
Blowering Reservoir	1 631	637	39%	24	613	+82
Eildon Reservoir	3 390	868	26%	100	768	+129

Snowy Mountains Scheme

Snowy diversions for week ending 26-Aug-2003

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2003
Lake Eucumbene - Total	1 600	+34	Snowy-Murray	+18	428
Snowy-Murray Component	699	-	Tooma-Tumut	+18	90
Target Storage	1 190		Nett Diversion	0.3	339
			Murray 1 Release	+32	529

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2003
Murray Irrig. Ltd (Net)	3.7	22.4
Wakool System loss	0.4	.8
Western Murray Irrig.	0.0	.6
Licensed Pumps	0.6	5.9
Lower Darling	0.1	.5
TOTAL	4.8	30.1

Victoria	This week	From 1 July 2003
Yarrawonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	2.4	34
Sunraysia Pumped Districts	0.3	1
Licensed pumps - GMW (Nyah+u/s)	0.0	
Licensed pumps - SRW	2.6	17
TOTAL	5.3	53

Flow to South Australia (GL)

Entitlement this month	124	(4 800 ML/day)
Flow this week	33.4	
Flow so far this month	116	
Flow last month	87	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2003
Swan Hill	100	100	110
Euston	120	110	140
Red Cliffs	100	100	120
Merbein	90	100	120
Burtundy (Darling)	1 640	1 630	1 640
Lock 9	150	160	200
Lake Victoria	220	220	240
Berri	360	370	390
Waikerie	-	-	580
Morgan	550	560	580
Mannum	560	540	510
Murray Bridge	560	550	530
Milang (Lake Alex.)	-	-	1 090
Poltalloch (Lake Alex.)	-	-	1 040
Meningie (Lake Alb.)	-	-	1 420
Goolwa Barrages	3 410	3 380	3 670



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	-	-	-	7 680	F	6 660	9 330
Jingellic	4.0	3.90	210.42	29 190	F	18 760	23 170
Tallandoon (Mitta Mitta River)	4.2	2.48	219.37	5 260	F	4 880	4 270
Heywoods	5.5	1.13	154.76	600	S	600	600
Doctors Point	5.5	2.47	150.94	7 950	F	6 870	5 040
Albury	4.3	1.45	148.89	-	-	-	-
Corowa	7.0	2.83	128.85	14 200	R	6 740	6 690
Yarrowonga Weir (d/s)	6.4	4.33	119.37	35 000	R	17 860	13 140
Tocumwal	6.4	3.21	107.05	17 220	R	14 910	11 700
Torrumbarry Weir (d/s)	7.3	3.36	81.91	11 000	R	10 160	9 820
Swan Hill	4.5	1.81	64.73	9 620	F	9 620	9 890
Wakool Junction	8.8	4.00	53.12	13 110	S	12 830	12 550
Euston Weir (d/s)	8.8	2.35	44.19	12 440	S	12 550	12 050
Mildura Weir (d/s)	-	-	31.30	12 450	F	12 290	12 300
Wentworth Weir (d/s)	7.3	3.33	28.09	12 150	F	11 900	12 170
Rufus Junction	-	3.16	20.09	4 740	R	4 380	4 680
Blanchetown (Lock 1 d/s)	-	-	-	5 040	R	4 520	5 050
Tributaries							
Kiewa at Bandiana	2.7	2.56	155.79	6 970	F	7 390	5 090
Ovens at Wangaratta	11.9	12.40	150.08	40 500	F	19 970	13 940
Goulburn at McCoys Bridge	9.0	4.68	96.10	7 609	R	2 430	1 810
Edward at Stevens Weir (d/s)	-	-	-	2 590	F	1 920	2 270
Edward at Liewah	-	2.88	58.26	2 550	F	2 670	2 250
Wakool at Stoney Crossing	-	0.52	55.01	507	R	390	380
Murrumbidgee at Balranald	5.0	0.55	56.51	227	F	230	230
Barwon at Mungindi	-	3.16	-	20	S	30	140
Darling at Bourke	-	4.02	-	220	S	220	200
Darling at Burtundy Rocks	-	0.69	-	57	R	40	20

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	35 550	38 360
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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	-0.21	-	No. 7 Rufus River	22.10	+0.10	+0.86
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.07	+0.04
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	+0.04	+0.20
No. 11 Mildura	34.40	-0.04	+0.50	No. 4 Bookpurnong	13.20	+0.10	+0.60
No. 10 Wentworth	30.80	+0.02	+0.69	No.3 Overland Corner	9.80	+0.08	+0.28
No. 9 Kulnine	27.40	+0.08	+0.07	No. 2 Waikerie	6.10	+0.10	+0.20
No. 8 Wangumma	24.60	+0.03	+0.20	No 1. Blanchetown	3.20	+0.05	+0.07

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.21	0.64	69.99	335
No. 5 Redbank	66.90	+0.13	0.23	61.53	343

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.78	All closed
Mundoo	26 openings	0.80	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwicheere	322 gates	0.79	All closed

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

