

REPORT FOR THE WEEK ENDING

Wednesday, 29 August 2001

Our Ref: MDBC:269 :brc

30 August, 2001



Widespread rainfall was received across the Basin this week. Highest totals, of greater than 50 mm, occurred in the headwaters of the Murrumbidgee, Lachlan and Namoi valleys in NSW. Rainfall on the Victorian slopes of the Great Divide was generally less than 25 mm. These falls produced smaller response in the Upper Murray and tributaries than last week's rain.

Inflow to Dartmouth Reservoir peaked at about 7 500 ML/day early this week, and is now about 4 500 ML/day. Storage is now 3 243 GL (83% of capacity), an increase of 29 GL. Releases were reduced from 450 ML/day to 200 ML/day (minimum requirement) on Monday in response to reduced hydro-electric power generation requirements.

Releases from Hume Dam were reduced to the minimum flow of 600 ML/day this week, due to reduced demand for water supply for irrigation combined with higher inflows from tributaries downstream of Hume Dam over the last two weeks. Releases from Hume Dam are expected to remain at the minimum flow rate until at least this weekend, and possibly longer if there is further rain. Storage in Hume Reservoir increased by 112 GL to 1 701 GL (56% capacity) this week.

A simulated flood event exercise was conducted at Hume Dam last Thursday. This exercise involved calculating the required gate settings and raising the spillway gates to match calculated settings for a simulated very large flood flow. All 29 spillway gates were tested in the exercise. As the water level in Hume was below the sill level of the spillway, it was possible to raise spillway gates without releasing water. The exercise was conducted to confirm the readiness of new electrical control systems for the spillway gates, as well as ensuring Hume Dam staff familiarity with revised gate operating procedures, prior to the spring flood season.

Inflows from the Kiewa and Ovens Rivers receded this week to about 2 300 and 6 100 ML/day respectively. Releases from Yarrawonga Weir peaked at 12 500 ML/day last weekend, and have now been reduced to 9 000 ML/day. Further reductions will follow next week unless there is further rain. Total diversion from Lake Mulwala reduced to about 2 900 ML/day this week.

On the Edward River, Stevens Weir pool has now been raised to the desired level. As a result of higher flows entering the Edward River system via Edward River and Gulpa Creek offtakes, the flow downstream of Stevens Weir will peak at about 1 250 ML/day next week.

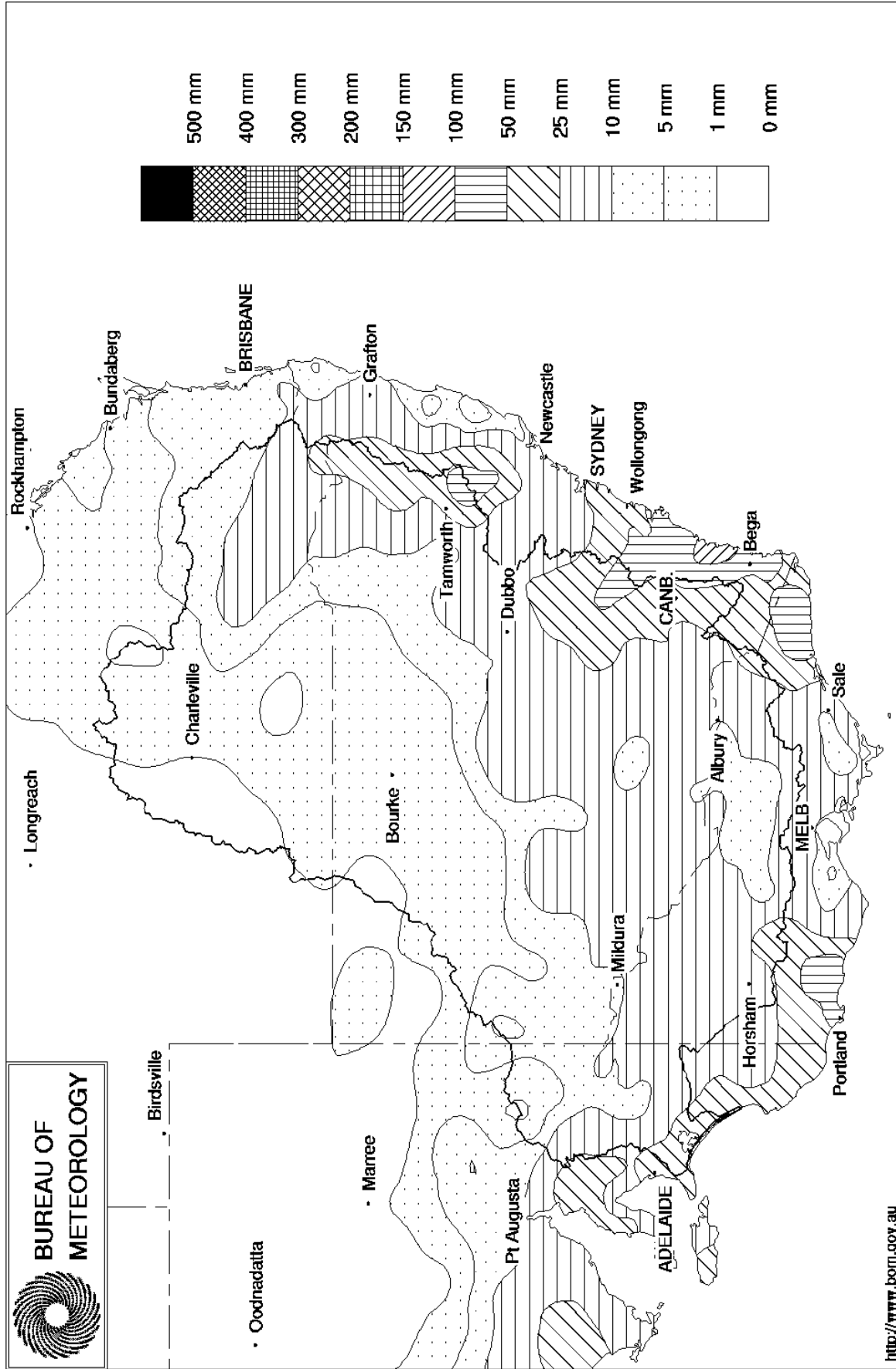
Diversion to National Channel from the Torrumbarry Weir pool was further reduced to about 1 000 ML/day late this week. The flow downstream of Torrumbarry Weir is expected to peak at about 7 800 ML/day early next week. Further downstream, flow downstream of Euston Weir was steady near 3 500 ML/day for most of this week, but will increase steadily next week, and peak the following week at about 7 300 ML/day without further rain. These flows will be captured in Lake Victoria.

Release from Menindee Lakes has been maintained at 3 000 ML/day this week. The release requirement is being kept under review according to flows in the Murray and projected storage in Lake Victoria. If forecast rainfall this weekend fails to produce renewed stream rises in the Upper Murray and tributaries, further increases in Menindee releases will be required next week.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 29th August 2001

Product of the National Climate Centre



RMW Weekly Report

Week ending 29-Aug-2001

Water in Storage

MDBC Storages	Full Supply Level m AHD	Full Supply Capacity GL	Storage Level m AHD	Current Storage		Dead storage GL	Active storage GL	Change for the week GL
				GL	%			
Dartmouth Reservoir	486.00	3906	475.34	3243	83%	80	3163	+29
Hume Reservoir	192.00	3038	184.19	1701	56%	30	1671	+112
Lake Victoria	27.00	680	23.53	314	46%	100	214	-32
Menindee		1682 *		1928	115%	480 #	1448	-17
Total		9306		7186	77%	690	6496	+92

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = 75%

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	468	46%	3	465	+14
Blowering Reservoir	1631	1066	65%	24	1042	+30
Eildon Reservoir	3390	1273	38%	100	1173	+74

Snowy Mountains Scheme

Snowy diversions for week ending 28-Aug-2001

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	2625	+16	Snowy-Murray	+11	392
Snowy-Murray Component	1167	-	Tooma-Tumut	+4	69
Target Storage	1190		Nett Diversion	6.6	323
			Murray 1 Release	+17	475

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	18.6	47.8
Wakool System loss	0.1	0.2
Western Murray Irrig.	0.1	0.8
Licensed Pumps	3.4	11.3
Lower Darling	0.2	1.1
TOTAL	22.4	61.2

Victoria	This week	From 1 July
Yarrawonga Main Channel (net)	4.2	13.9
Torrumbarry System + Nyah (net)	9.2	65.2
Sunraysia Pumped Districts	1.5	4.1
Licensed pumps - GMW (Nyah+u/s)	0.2	14.8
Licensed pumps - SRW	2.4	18.8
TOTAL	17.6	116.7

Flow to South Australia (GL)

Entitlement this month	124
Flow this week	49.2
Flow so far this month	203
Flow last month	202

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	230	331	303
Euston	240	330	307
Red Cliffs	390	350	326
Merbein	300	290	282
Burtundy	380	383	386
Lock 9	340	354	340
L. Victoria	350	348	351
Berri	410	407	414
Waikerie	-	-	553
Morgan	520	496	526
Mannum	530	534	551
Murray Bridge	580	593	587
Meningie	1070	1090	1132
Goolwa Barrages	1820	3456	2078



RMW Weekly Report

Week ending 29-Aug-2001

River Levels and Flows

	Minor Flood stage	Gauge height	Flow	Trend	Average flow this week	Average flow last week
River Murray	m	m	ML/day		ML/day	ML/day
Khancoban	-	-	4080	F	4280	3190
Jingellic	4.0	2.58	13190	F	13710	8610
Tallandoon (Mitta Mitta River)	4.2	1.67	1500	F	2020	1780
Heywoods	5.5	1.22	600	F	1740	4830
Doctors Point	5.5	1.82	2710	F	4860	7430
Albury	4.3	0.90	-	F	-	-
Corowa	7.0	1.28	4370	F	6820	8060
Yarrowonga Weir (d/s)	6.4	1.66	9430	F	11180	6060
Tocumwal	6.4	2.41	10264	F	9240	5560
Torrumbarry Weir (d/s)	7.3	2.37	6881	R	4290	2330
Stevens Weir (d/s)		0.79	493	R	263	164
Swan Hill	4.5	0.97	3810	R	3240	1960
Wakool Junction	8.8	2.23	4098	R	3270	2540
Euston Weir (d/s)	8.8	1.00	3960	R	3520	3460
Wentworth Weir (d/s)	7.3	2.95	5100	R	3970	4500
Rufus Junction	-	3.48	6389	R	6660	6670
Blanchetown (Lock 1 d/s)	-	-	6440	S	6230	5990
Tributaries						
Kiewa at Bandiana	2.7	1.88	2280	F	3200	2760
Ovens at Wangaratta	11.9	9.76	6066	F	9750	4580
Goulburn at McCoys Bridge	9.0	1.74	1324	F	1170	560
Edward at Liewah	-	1.00	500	F	540	670
Wakool at Stoney Crossing	-	0.27	144	S	110	120
Murrumbidgee at Balranald	5.0	0.74	420	R	430	850
Darling at Bourke	-	4.27	1440	F	1860	2700
Darling at Burtundy Rocks	-	1.68	2630	R	1580	760
Barwon at Mungindi	-	3.27	170	F	300	390

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	20480	11380
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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	+0.01	-	No. 7 Rufus River	22.10	+0.10	+1.17
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.04	+0.12
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	+0.02	+0.22
No. 11 Mildura	34.40	-0.02	+0.04	No. 4 Bookpurnong	13.20	+0.02	+0.84
No. 10 Wentworth	30.80	+0.00	+0.31	No.3 Overland Corner	9.80	+0.05	+0.33
No. 9 Kulnine	27.40	+0.10	+0.03	No. 2 Waikerie	6.10	+0.09	+0.33
No. 8 Wangumma	24.60	+0.04	+0.13	No 1. Blanchetown	3.20	+0.14	+0.16

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.11	0.81	533
No. 5 Redbank	66.90	-0.01	0.10	228

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.82	15
Mundoo	26 openings	0.84	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwitchere	322 gates	0.84	10

