

REPORT FOR THE WEEK ENDING

Wednesday, 12 September 2001

Our Ref: MDBC:269 :ng

14 September, 2001



Light to moderate falls of rain blanketed the Murray-Darling Basin this week with heavier falls of up to 50 mm recorded in the upper catchment areas of the Murray, Murrumbidgee and Lachlan Rivers, and in the Kiewa and Ovens River catchments.

Streamflows in the upper Murray responded to rain early in the week, and produced peak inflows to Dartmouth and Hume Reservoirs of about 8 000 and 20 000 ML/day respectively. Rainfall forecast for the upper Murray late this week failed to eventuate, and inflows are now receding steadily. Dartmouth Reservoir storage is now 3 315 GL or 85% of capacity. Storage in Hume Reservoir has risen by 104 GL to 1 895 GL or 62% of capacity. Release from Hume Reservoir continues to be maintained at the minimum requirements of 600 ML/day, and it is expected that this will continue next week while tributaries downstream of Hume continue to meet downstream requirements.

Inflows to the River Murray from the Kiewa and Ovens Rivers respectively peaked at about 5 000 and 16 000 ML/day toward the end of the week, and are now receding steadily. In response, release from Yarrawonga Weir has been increased from 4 000 to 11 000 ML/day and is expected to be reduced over the coming weekend if there is no further rain. Total diversion from Lake Mulwala remained fairly steady despite the rain, and averaged about 3 500 ML/day throughout the week.

Inflows to the Murray from the Goulburn and Murrumbidgee Rivers have also increased with flows at McCoys Bridge and Balranald currently 800 and 2 000 ML/day respectively. Without further rain, it is expected that inflow from the Goulburn River will peak next week at about 1 500 ML/day whilst the contribution from the Murrumbidgee River is forecast to continue rising to a peak of about 3 500 ML/day by late September.

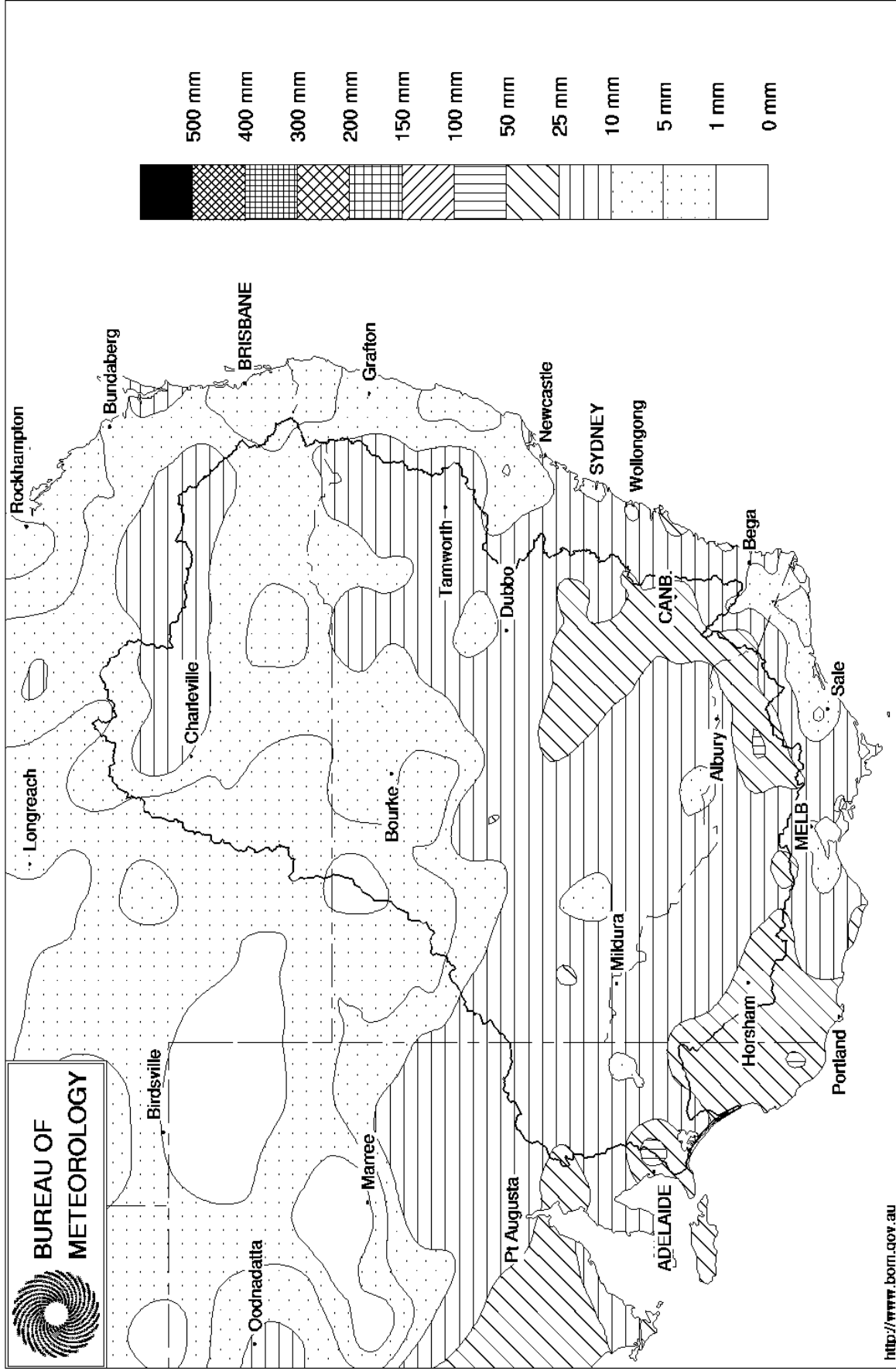
Flow downstream of Euston Weir is currently 8 300 ML/day, and is expected to rise to about 10 000 ML/day by late September. In view of the increased flows in the River Murray upstream of the Darling River junction, the current plan for release from Menindee Lakes is to maintain 7 000 ML/day rather than the original plan to increase to the maximum regulated flow of 9 000 ML/day. This will be monitored in conjunction with conditions along the Murray. Flow in the Murray at Wentworth is now expected to reach a peak of about 15 000 ML/day at the end of September.

Storage in Lake Victoria is currently 23.66 m (about 3.3 m below full supply level), or 327 GL (48% capacity), and will continue to rise slowly over coming weeks as increased flow in the Murray and Darling Rivers arrives. Flows in excess of downstream requirements will be fully contained in Lake Victoria unless there is further significant rainfall. Flow to South Australia is being maintained at the current requirement of 7 500 ML/day consisting of 4 500 ML/day September entitlement plus 3 000 ML/day additional dilution flow.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 12th September 2001

Product of the National Climate Centre



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Week ending 12-Sep-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	476.54	3315	85%	80	3235	+45
Hume Reservoir	192.00	3038	185.52	1895	62%	30	1865	+104
Lake Victoria	27.00	680	23.66	327	48%	100	227	+21
Menindee		1682 *		1866	111%	480 #	1386	-43
Total		9306		7402	80%	690	6712	+126

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **78%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026		523	51%	3	520	+18
Blowering Reservoir	1631		1139	70%	24	1115	+31
Eildon Reservoir	3390		1380	41%	100	1280	+64

Snowy Mountains Scheme

Snowy diversions for week ending 11-Sep-2001

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	2744	+76	Snowy-Murray	+1	398
Snowy-Murray Component	1210	-	Tooma-Tumut	+16	94
Target Storage	1240		Nett Diversion	-15.1	305
			Murray 1 Release	+19	507

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	16.9	81.9
Wakool System loss	0.1	0.4
Western Murray Irrig.	0.1	1.0
Licensed Pumps	4.5	18.9
Lower Darling	0.2	1.5
TOTAL	21.8	103.7

Victoria	This week	From 1 July
Yarrowonga Main Channel (net)	6.9	27.2
Torrumbarry System + Nyah (net)	6.7	77.9
Sunraysia Pumped Districts	1.0	5.5
Licensed pumps - GMW (Nyah+u/s)	0.2	15.2
Licensed pumps - SRW	3.7	24.9
TOTAL	18.4	150.8

Flow to South Australia (GL)

Entitlement this month	135
Flow this week	56.7
Flow so far this month	92
Flow last month	217

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	270	202	260
Euston	130	241	284
Red Cliffs	320	330	345
Merbein	280	370	307
Burtundy	410	401	387
Lock 9	380	367	345
L. Victoria	380	356	352
Berri	410	412	413
Waikerie	480	480	535
Morgan	500	485	515
Mannum	510	523	545
Murray Bridge	580	569	581
Meningie	1110	1120	1125
Goolwa Barrages	1630	1329	1801



Week ending 12-Sep-2001

River Levels and Flows

	Minor Flood stage	Gauge height	Flow	Trend	Average flow this week	Average flow last week
	m	m	ML/day		ML/day	ML/day
River Murray						
Khancoban	-	-	6370	F	4630	3480
Jingellic	4.0	2.91	17000	F	13460	10770
Tallandoon (Mitta Mitta River)	4.2	1.86	2180	F	1990	1450
Heywoods	5.5	1.29	600	S	600	600
Doctors Point	5.5	2.05	4220	F	4040	3150
Albury	4.3	1.07	-	F	-	-
Corowa	7.0	1.51	5620	R	4190	3530
Yarrowonga Weir (d/s)	6.4	1.89	11200	R	6930	7120
Tocumwal	6.4	2.18	8707	R	5600	7610
Torrumbarry Weir (d/s)	7.3	1.34	3221	F	4460	7290
Stevens Weir (d/s)		0.52	243	R	241	884
Swan Hill	4.5	1.25	5650	F	6310	6170
Wakool Junction	8.8	3.08	7204	R	7210	5340
Euston Weir (d/s)	8.8	1.75	8280	R	7940	5100
Wentworth Weir (d/s)	7.3	3.33	11460	R	8950	6400
Rufus Junction	-	3.47	6335	F	7550	6510
Blanchetown (Lock 1 d/s)	-	-	6590	S	6760	6560
Tributaries						
Kiewa at Bandiana	2.7	2.39	3670	F	3530	2470
Ovens at Wangaratta	11.9	11.13	14574	F	9260	5200
Goulburn at McCoys Bridge	9.0	1.42	784	R	720	860
Edward at Liewah	-	1.74	1130	R	830	400
Wakool at Stoney Crossing	-	0.65	845	R	560	220
Murrumbidgee at Balranald	5.0	2.07	1950	R	1120	420
Darling at Bourke	-	4.16	740	F	850	1140
Darling at Burtundy Rocks	-	2.06	3340	R	3130	2940
Barwon at Mungindi	-	3.25	130	F	360	240

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	22860	16180
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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	-0.11	-	No. 7 Rufus River	22.10	+0.14	+1.17
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.09	+0.18
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.06	+0.34
No. 11 Mildura	34.40	+0.03	+0.24	No. 4 Bookpurnong	13.20	+0.08	+0.96
No. 10 Wentworth	30.80	+0.01	+0.69	No.3 Overland Corner	9.80	+0.08	+0.41
No. 9 Kulnine	27.40	+0.14	+0.12	No. 2 Waikerie	6.10	+0.16	+0.33
No. 8 Wangumma	24.60	+0.09	+0.24	No 1. Blanchetown	3.20	+0.12	+0.19

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.09	1.71	2240
No. 5 Redbank	66.90	+0.04	1.55	1970

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.84	All closed
Mundoo	26 openings	0.83	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.84	15

