

REPORT FOR THE WEEK ENDING

Wednesday, 26 September 2001

Our Ref: MDBC:269 :dc:bwh

27 September, 2001



Widespread rain was recorded across the southern half of the Murray-Darling Basin this week with falls generally between 10 and 25 mm, and some isolated falls of between 50 and 100 mm in some Victorian tributaries of the Murray.

Inflow to Dartmouth Reservoir averaged about 4 500 ML/day, and storage increased by 34 GL to 3 379 GL or 86% of capacity. Storage increase in Hume Reservoir was only 17 GL to 2 009 GL (66% of capacity) because release was increased from 5 000 to 12 000 ML/day to meet rising irrigation demand resulting from warmer conditions. Storage in Hume was steady at the end of the week, but without significant rainfall, storage is expected to start falling next week as release is further increased.

Total diversion from Lake Mulwala increased from 7 000 ML/day to about 11 000 ML/day (about 85% of capacity) near the end of the week. Release from Yarrawonga Weir has been increased from 5 300 ML/day to 8 000 ML/day in response to both increased irrigation demand and receding tributary inflows along the mid Murray, and further increases in release to 10 000 ML/day are expected to be made early next week.

Diversion from the Torrumbarry Weir pool to National Channel was temporarily increased to 4 000 ML/day whilst sufficient flow was available in the Murray, and were then reduced to 2 500 ML/day. National Channel diversion is expected to increase to 4 000 ML/day next week, if conditions remain dry. Flow downstream of Torrumbarry Weir is currently being maintained at about 1 900 ML/day in order to maintain minimum flow requirement at Swan Hill, and is expected to increase to about 3 000 ML/day next week in order to meet increasing downstream requirements as inflows from the Murrumbidgee River recede in early October.

Inflow to the River Murray from the Murrumbidgee River continued to rise this week, and is currently near its expected peak of 5 000 ML/day, and is forecast to fall steadily to minimum flow of 200 ML/day by about 7 October. Consequently, declining flows in the Murray and Murrumbidgee will take effect in the Murray downstream of Euston Weir where flow (currently 8 100 ML/day) is expected to slowly recede to about 3 500 ML/day by mid October.

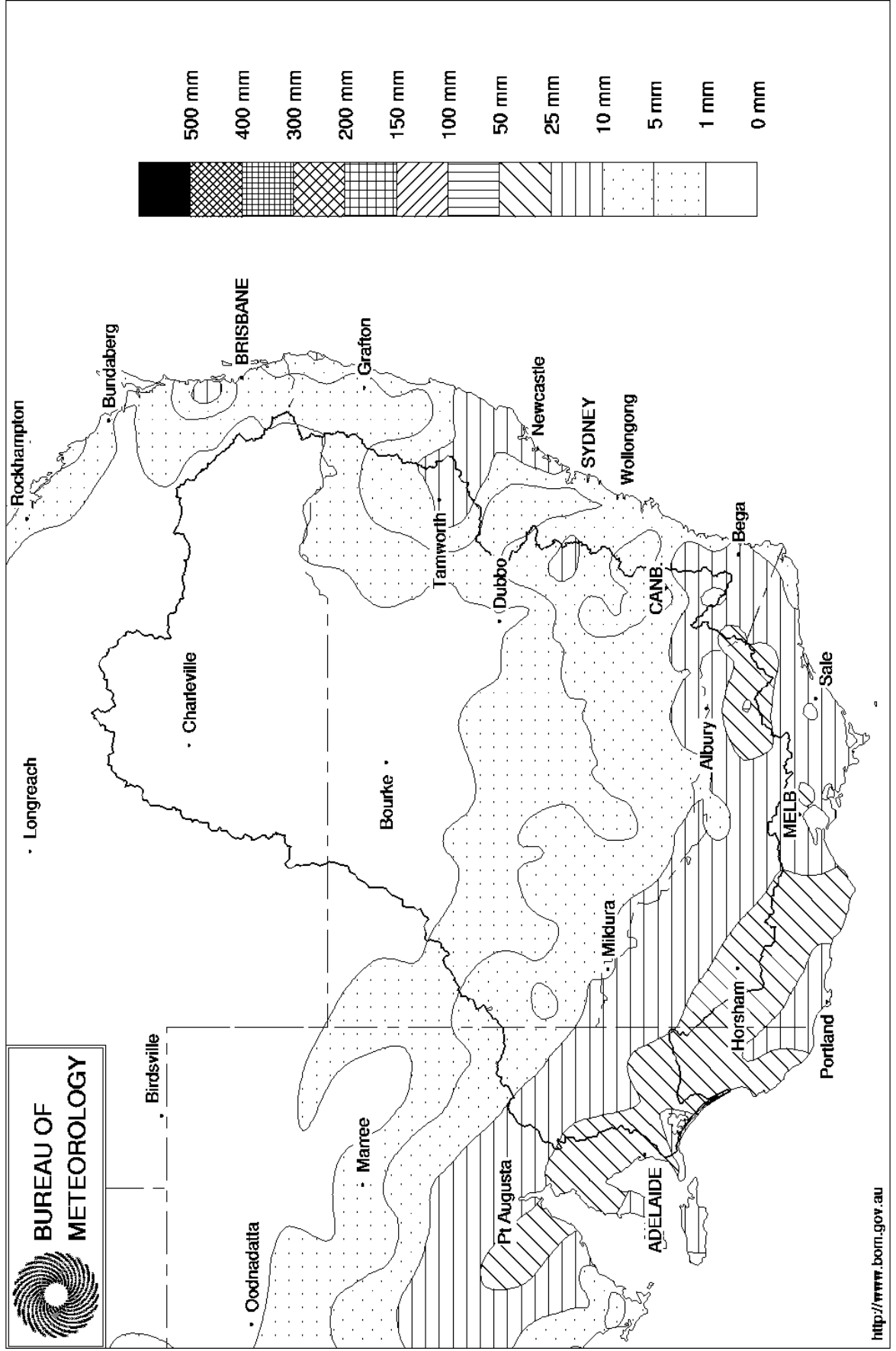
As advised last week, release from Menindee Lakes has been increased to 9 000 ML/day in accordance with the combined operating rules for Menindee Lakes and Lake Victoria. This rate of transfer of water from Menindee Lakes to supplement flow in the River Murray and storage in Lake Victoria is expected to continue in coming months unless there is a significant increase in flow along the mid Murray.

Storage in Lake Victoria is continuing to rise as increased flows in the Murray and lower Darling are being stored in the Lake whilst also meeting the current flow requirement for South Australia.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 26th September 2001

Product of the National Climate Centre



Week ending 26-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	477.56	3376	86%	80	3296	+31
Hume Reservoir	192.00	3038	186.26	2009	66%	30	1979	+18
Lake Victoria	27.00	680	24.36	397	58%	100	297	+38
Menindee		1682 *		1761	105%	480 #	1281	-54
Total		9306		7544	81%	690	6854	+33

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **80%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	570	56%	3	567	+14
Blowering Reservoir	1631	1153	71%	24	1129	-31
Eildon Reservoir	3390	1397	41%	100	1297	-16

Snowy Mountains Scheme

Snowy diversions for week ending 25-Sep-2001

Storage (GL)	Current storage	Weekly change	Diversions	This week	From 1st May
Lake Eucumbene - Total	2869	+62	Snowy-Murray	+3	401
Snowy-Murray Component	1288	-	Tooma-Tumut	+13	125
Target Storage	1240		Nett Diversion	-10.5	276
			Murray 1 Release	+30	557

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	50.4	156.9
Wakool System loss	0.9	1.3
Western Murray Irrig.	0.4	1.5
Licensed Pumps	10.1	34.2
Lower Darling	0.3	2.1
TOTAL	62.1	196.0

Victoria	This week	From 1 July
Yarrawonga Main Channel (net)	21.1	61.8
Torrumbarry System + Nyah (net)	25.0	111.0
Sunraysia Pumped Districts	2.8	8.7
Licensed pumps - GMW (Nyah+u/s)	1.4	17.0
Licensed pumps - SRW	3.7	32.3
TOTAL	53.9	230.7

Flow to South Australia (GL)

Entitlement this month	135
Flow this week	54.8
Flow so far this month	199
Flow last month	217

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	320	203	250
Euston	420	332	277
Red Cliffs	310	250	327
Merbein	230	200	293
Burtundy	420	407	393
Lock 9	350	369	355
L. Victoria	360	368	354
Berri	410	410	412
Waikerie	500	490	500
Morgan	490	489	508
Mannum	490	473	530
Murray Bridge	450	526	577
Meningie	1020	1050	1122
Goolwa Barrages	890	844	1634



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	-	-	6470	F	6270	4330
Jingellic	4.0	2.34	10560	R	11140	11870
Tallandoon (Mitta Mitta River)	4.2	1.68	1530	R	1440	1760
Heywoods	5.5	2.78	11570	R	9680	1480
Doctors Point	5.5	3.16	15900	R	13160	4600
Albury	4.3	2.12	-	F	-	-
Corowa	7.0	2.87	14400	R	12040	4600
Yarrowonga Weir (d/s)	6.4	1.46	7980	R	6390	9370
Tocumwal	6.4	1.84	6454	R	5750	9520
Torrumbarry Weir (d/s)	7.3	1.01	2161	R	2710	4890
Stevens Weir (d/s)	-	0.51	235	F	306	889
Swan Hill	4.5	0.74	2360	F	3830	4460
Wakool Junction	8.8	2.37	4556	F	5210	6350
Euston Weir (d/s)	8.8	1.74	8210	F	8140	8730
Wentworth Weir (d/s)	7.3	3.43	13390	R	12770	12120
Rufus Junction	-	3.51	6558	R	7520	6890
Blanchetown (Lock 1 d/s)	-	-	7230	R	6230	6800
Tributaries						
Kiewa at Bandiana	2.7	2.28	3230	F	3260	3180
Ovens at Wangaratta	11.9	9.05	3578	R	4060	7230
Goulburn at McCoys Bridge	9.0	1.25	518	F	600	1210
Edward at Liewah	-	1.63	1030	R	800	1020
Wakool at Stoney Crossing	-	0.53	564	F	640	940
Murrumbidgee at Balranald	5.0	3.75	4750	R	3650	2470
Darling at Bourke	-	4.16	740	R	730	690
Darling at Burtundy Rocks	-	3.63	6710	R	6500	4940
Barwon at Mungindi	-	3.34	320	F	310	170

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	18360	22950
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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	-0.14	-	No. 7 Rufus River	22.10	+0.05	+1.21
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.04	+0.12
No. 15 Euston	47.60	-0.02	-	No. 5 Renmark	16.30	+0.03	+0.24
No. 11 Mildura	34.40	+0.05	-0.77	No. 4 Bookpurnong	13.20	+0.04	+0.88
No. 10 Wentworth	30.80	+0.02	+0.79	No.3 Overland Corner	9.80	+0.08	+0.38
No. 9 Kulnine	27.40	+0.09	+0.08	No. 2 Waikerie	6.10	+0.10	+0.34
No. 8 Wangumma	24.60	+0.02	+0.20	No 1. Blanchetown	3.20	+0.10	+0.23

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.13	2.45	3810
No. 5 Redbank	66.90	+0.04	3.50	5350

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.85	All closed
Mundoo	26 openings	0.73	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.83	15

