

REPORT FOR THE WEEK ENDING

Wednesday, 13 June 2001

Our Ref: MDBC:269 :ng:bwh

14 June, 2001



Widespread rain was recorded across the Murray-Darling Basin during the week, including falls of up to 150 mm in the upper Murray catchment. Falls of between 10 and 50 mm blanketed much of the Basin, and heavier falls of up to 100 mm were received in the catchment of the Paroo River in the north-west of the Basin.

Streamflows in the upper Murray have responded significantly with short sharp rises occurring on the afternoon of Wednesday 13 June. Flow in the Mitta Mitta River at Hinnomunjie upstream of Dartmouth Reservoir increased from 600 ML/day to a peak of about 7 500 ML/day, and inflow to Dartmouth has increased accordingly. Storage in Dartmouth, steady at about 3 100 GL since late December 2000, increased by 13 GL over the week.

Inflows to Hume Reservoir also increased following the rain, and storage increased by 67 GL to 1 088 GL or 36% of capacity. Increases in streamflows in upper Kiewa and Ovens Rivers have also been recorded. Contributions to the River Murray from the Kiewa and Ovens Rivers increased to 3 000 and 3 800 ML/day respectively by 14 June, and flows are expected to rise further early next week.

Flow in the River Murray downstream of Yarrawonga Weir has been increased to 3 000 ML/day in response to increased tributary inflows from the Kiewa and Ovens Rivers, and is expected to be progressively increased early next week to a peak of about 6 000 ML/day without further rain.

In the mid reaches of the River Murray between Barmah and Wentworth, flows have generally receded over the last week. However, the increased release from Yarrawonga Weir, coupled with expected increases in tributary inflows from the Goulburn and Murrumbidgee Rivers, will produce minor increases in flow in the mid Murray, with a peak of about 6 500 ML/day expected at Euston Weir on about 4 July.

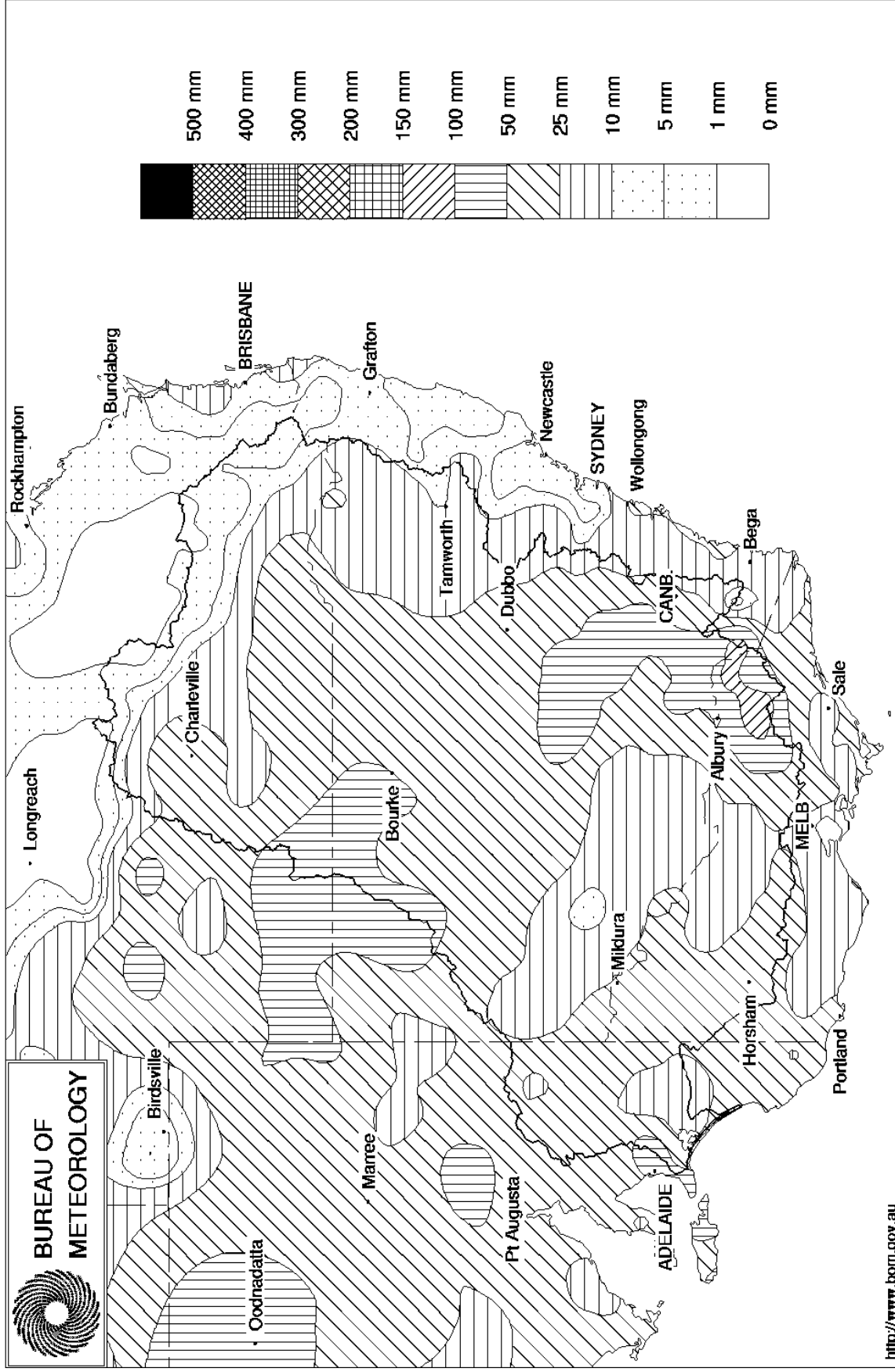
Flow to South Australia has been maintained at about 3 000 ML/day for the detailed "run of river" salinity survey being undertaken in South Australia. Forecast rises in River Murray flows upstream of Lake Victoria are relatively minor, and are not expected to interrupt this survey. Once the salinity survey has been completed, flow to South Australia will be increased (by early July at the latest) by re-instating the additional dilution flow of 3 000 ML/day. As a result, flow is expected to be maintained at 6 500 ML/day throughout July unless there is further rain.

Salinity in the River Murray at Swan Hill has increased from 270 EC to a peak of 340 EC on 12 June, as a result of increased saline inputs from the Torrumbarry District following the recent rain. River salinities in the Sunraysia area have been generally steady at relatively low levels between 200 and 300 EC. In South Australia, river salinities have been generally steady, ranging from about 300 to 500 EC between Lock 7 and Morgan.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 13th June 2001

Product of the National Climate Centre



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Week ending 13-Jun-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	473.03	3109	80%	80	3029	+13
Hume Reservoir	192.00	3038	179.40	1088	36%	30	1058	+67
Lake Victoria	27.00	680	23.88	349	51%	100	249	+19
Menindee		1682 *		1965	117%	480 #	1485	+8
Total		9306		6511	70%	690	5821	+108

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **68%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	408	40%	3	405	+3
Blowering Reservoir	1631	783	48%	24	759	+19
Eildon Reservoir	3390	1053	31%	100	953	+8

Snowy Mountains Scheme

Snowy diversions for week ending 12-Jun-2001

Storage (GL)	Current storage	Weekly change	Diversions	This week	From 1st May
Lake Eucumbene - Total	2628	-28	Snowy-Murray	+29	221
Snowy-Murray Component	1192	-	Tooma-Tumut	+3	9
Target Storage	1240		Nett Diversion	25.7	212
			Murray 1 Release	+33	239

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	0.0	1576.5
Wakool System loss	0.0	38.8
Western Murray Irrig.	0.0	31.0
Licensed Pumps	1.4	384.7
Lower Darling	0.1	290.2
TOTAL	1.5	2321.3

Victoria	This week	From 1 July
Yarrawonga Main Channel (net)	0.0	480.0
Torrumbarry System + Nyah (net)	0.0	774.6
Sunraysia Pumped Districts	0.1	156.4
Licensed pumps - GMW (Nyah+u/s)	0.0	60.7
Licensed pumps - SRW	1.7	167.3
TOTAL	1.8	1639.1

Flow to South Australia (GL)

Entitlement this month	90
Flow this week	21.9
Flow so far this month	42
Flow last month	222

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	320	294	217
Euston	230	239	203
Red Cliffs	310	300	252
Merbein	260	240	236
Burtundy	390	398	413
Lock 9	450	462	280
L. Victoria	370	363	312
Berri	450	468	339
Waikerie	-	490	396
Morgan	530	511	400
Mannum	460	457	405
Murray Bridge	460	454	397
Meningie	1160	1170	1240
Goolwa Barrages	1520	1516	1189



A Business Unit of MDBC

Week ending 13-Jun-2001

River Levels and Flows

	Minor Flood stage m	Gauge height m	Flow ML/day	Trend	Average flow this week ML/day	Average flow last week ML/day
River Murray						
Khancoban	-	-	6480	F	6330	6200
Jingellic	4.0	1.93	6800	R	7900	6640
Tallandoon (Mitta Mitta River)	4.2	1.81	2000	R	1220	750
Heywoods	5.5	1.25	600	S	650	630
Doctors Point	5.5	1.69	1950	R	1810	1240
Albury	4.3	0.81	-	F	-	-
Corowa	7.0	0.85	2290	F	1850	1470
Yarrowonga Weir (d/s)	6.4	0.58	2320	R	1910	1810
Tocumwal	6.4	1.02	2392	R	2280	2270
Torrumbarry Weir (d/s)	7.3	1.17	2683	R	2480	2500
Stevens Weir (d/s)		0.55	265	R	270	317
Swan Hill	4.5	0.83	2850	S	2960	3300
Wakool Junction	8.8	2.25	4162	S	4360	4920
Euston Weir (d/s)	8.8	1.19	4950	S	4970	5620
Wentworth Weir (d/s)	7.3	2.94	5550	R	5630	5520
Rufus Junction	-	2.85	2988	F	2630	2410
Blanchetown (Lock 1 d/s)	-	-	2930	R	2730	3050
Tributaries						
Kiewa at Bandiana	2.7	1.39	1320	F	1120	530
Ovens at Wangaratta	11.9	8.09	912	R	810	370
Goulburn at McCoys Bridge	9.0	1.19	433	R	410	450
Edward at Liewah	-	1.54	940	F	1120	1490
Wakool at Stoney Crossing	-	0.45	402	R	380	400
Murrumbidgee at Balranald	5.0	0.61	310	S	330	320
Darling at Bourke	-	4.25	1290	S	1360	1180
Darling at Burtundy Rocks	-	0.90	699	R	690	700
Barwon at Mungindi	-	3.40	470	S	460	300

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	4430	2110
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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	-0.28	-	No. 7 Rufus River	22.10	+0.04	+0.53
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.04	-0.02
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.04	+0.11
No. 11 Mildura	34.40	+0.04	+0.12	No. 4 Bookpurnong	13.20	+0.04	+0.36
No. 10 Wentworth	30.80	+0.03	+0.30	No.3 Overland Corner	9.80	+0.02	+0.14
No. 9 Kulnine	27.40	+0.06	+0.04	No. 2 Waikerie	6.10	+0.02	+0.14
No. 8 Wangumma	24.60	+0.05	+0.05	No 1. Blanchetown	3.20	+0.10	-0.03

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.12	0.62	315
No. 5 Redbank	66.90	-1.18	0.25	363

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.76	All closed
Mundoo	26 openings	0.77	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwitchere	322 gates	0.78	25

