

# REPORT FOR THE WEEK ENDING

Wednesday, 4 July 2001

*Our Ref : MDBC:269 :bwh*

5 July, 2001



Dry conditions prevailed in the southern part of the Basin over the week. Isolated rainfall of between 10 and 50 mm was recorded in the north-western parts of the Darling River system, but is not expected to have any significant effect on flow in the Darling River reaching Menindee Lakes.

Natural inflow to Hume Reservoir (i.e. the inflow volume calculated assuming natural conditions with no impoundment by storages upstream) for June was about 250 GL. This level of inflow in June is near median – it is exceeded 1 year in 2 over the long term in the historical record. Rainfall in the upper Murray catchment upstream of Hume Reservoir was above average in June 2001, compared with the very dry conditions experienced in the mid Murray catchment upstream of the Darling River junction. Two charts detailing the rainfall received over June, and the three month period April to June, are provided overleaf.

Storage in Dartmouth and Hume Reservoirs is continuing to rise slowly. Release from Dartmouth Reservoir was increased on 2 July from 200 ML/day (minimum riparian flow) to about 450 ML/day for electricity generation purposes. This flow rate is likely to be maintained until late August unless there is a significant change in electricity demand.

Inflow to the River Murray from the Kiewa and Ovens Rivers has remained low this week. Consequently, flow downstream of Yarrawonga Weir has been reduced to 3 000 ML/day, and is expected to remain near this rate for most of next week, depending on the amount of rainfall received from a frontal system passing across the River Murray system over the next few days. Further downstream, flow in the Murray at Euston Weir has increased to 6 500 ML/day as a result of minor rises in the mid Murray and tributaries following the rain in late June.

## **Centenary of Federation Riverboat Cruise**

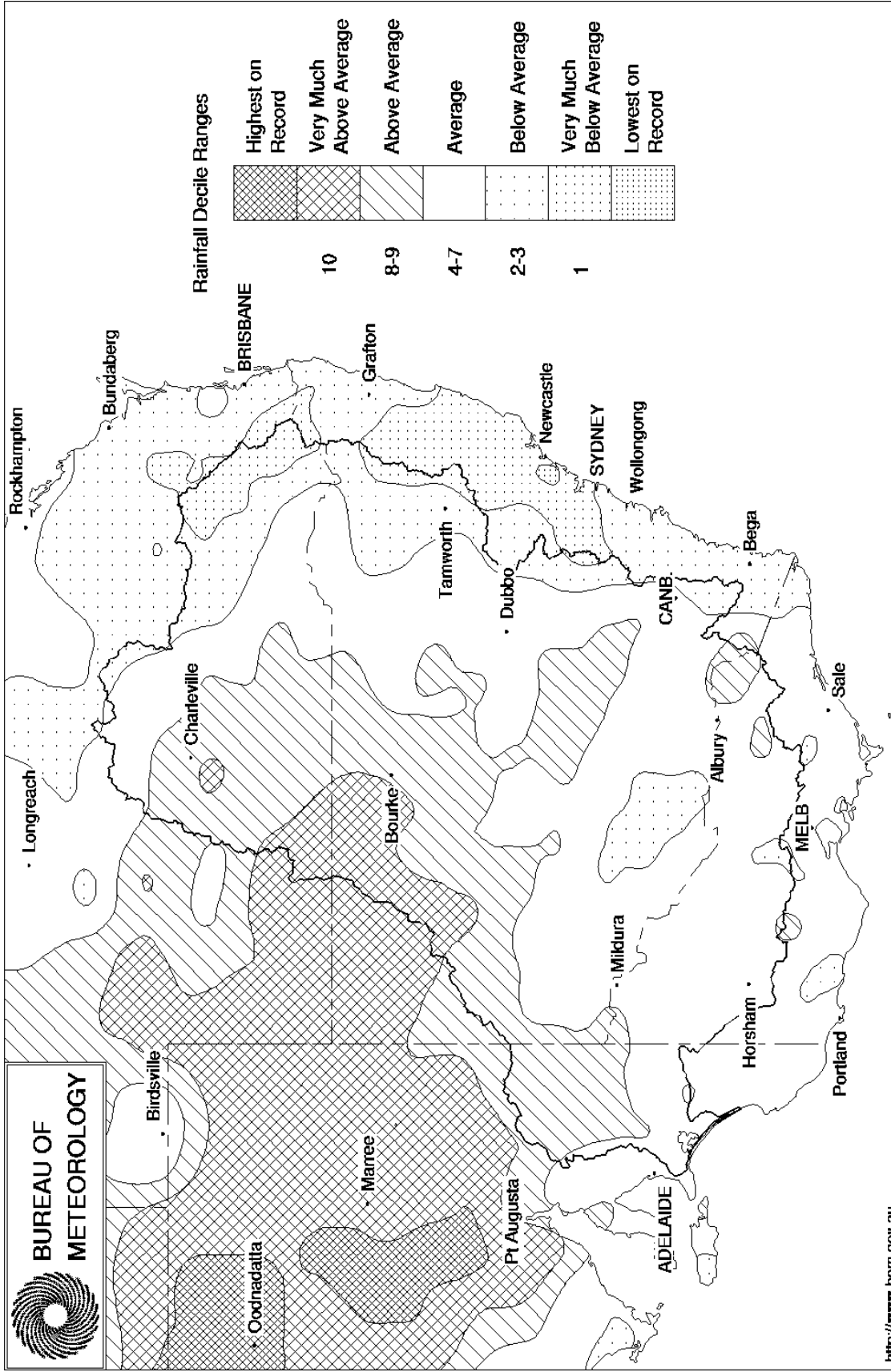
As part of the Centenary of Federation Celebrations, a major riverboat event is underway on the River Murray, after officially commencing at Goolwa on 30 June. A large group of vessels has been moving upstream along the River Murray in South Australia during the week. The passage of a large number of boats (more than 50) through a shallow section of the River Murray at Warrakoo (upstream of Lock 6, near the SA border) was aided by marker buoys placed by staff of SA Water Corporation to delineate deeper channels. Further vessels, including some large paddle steamers with deeper draught, are expected to pass upstream through Lock 7 next week.

Every assistance will be provided to the passage of these vessels within constraints of river operation and the recent dry conditions, and the need to conserve water resources for use in coming seasons. However, navigability upstream of Mildura will be largely dependent on the draught of individual vessels, because flow and river level in the River Murray between Mildura and Echuca is low as a result of recent dry conditions along the Murray and tributaries downstream of Hume Reservoir.

DAVID DOLE  
General Manager

Murray Daring Rainfall Deciles June 2001

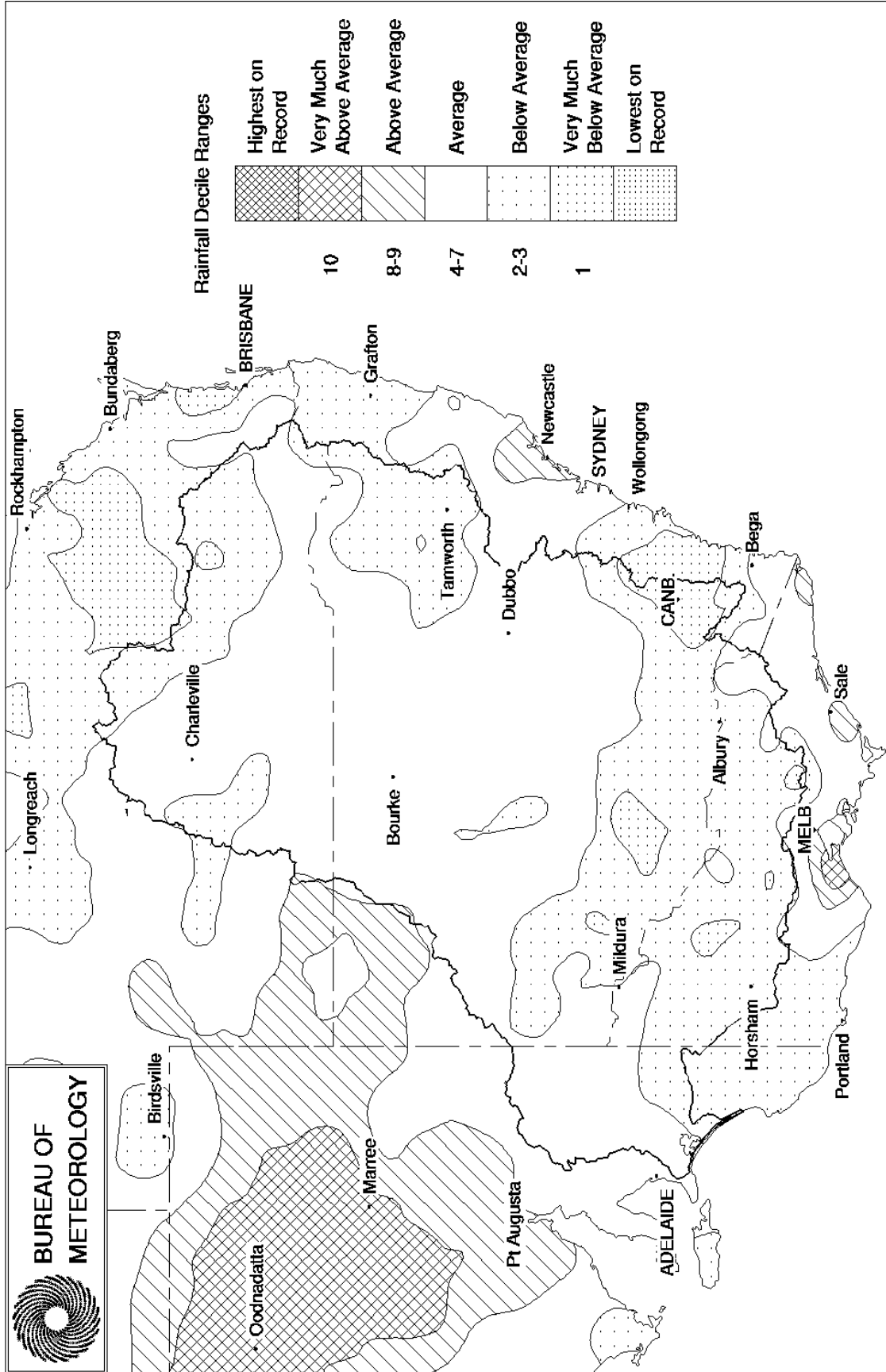
Distribution Based on Gridded Data  
Product of the National Climate Centre



<http://www.bom.gov.au>

# Murray Darling Rainfall Deciles 1 April to 30 June 2001

Distribution Based on Gridded Data  
Product of the National Climate Centre



<http://www.bom.gov.au>

Week ending 04-Jul-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	473.57	3140	80%	80	3060	+4
Hume Reservoir	192.00	3038	181.02	1280	42%	30	1250	+49
Lake Victoria	27.00	680	23.99	360	53%	100	260	-7
Menindee		1682 *		1976	117%	480 #	1496	+0
<b>Total</b>		<b>9306</b>		<b>6755</b>	<b>73%</b>	<b>690</b>	<b>6065</b>	<b>+46</b>

\* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = 70%

# NSW Menindee Lakes Reserve

### Major State Storages

Burrinjuck Reservoir	1026	412	40%	3	409	+0
Blowering Reservoir	1631	875	54%	24	851	-6
Eildon Reservoir	3390	1083	32%	100	983	+4

### Snowy Mountains Scheme

Snowy diversions for week ending 03-Jul-2001

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	2565	-32	Snowy-Murray	+30	302
Snowy-Murray Component	1152	-	Tooma-Tumut	+3	32
Target Storage	1170		Nett Diversion	26.8	270
			Murray 1 Release	+33	341

### Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	0.0	0.0
Wakool System loss	0.0	0.0
Western Murray Irrig.	0.1	0.1
Licensed Pumps	1.5	0.8
Lower Darling	0.1	0.1
<b>TOTAL</b>	<b>1.7</b>	<b>1.0</b>

Victoria	This week	From 1 July
Yarrawonga Main Channel (net)	0.0	0.0
Torrumbarry System + Nyah (net)	0.0	0.0
Sunraysia Pumped Districts	0.0	0.0
Licensed pumps - GMW (Nyah+u/s)	0.0	0.0
Licensed pumps - SRW	1.7	1.0
<b>TOTAL</b>	<b>1.7</b>	<b>0.9</b>

### Flow to South Australia (GL)

Entitlement this month	108.5
Flow this week	43.7
Flow so far this month	25
Flow last month	106

### Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	290	253	219
Euston	310	295	206
Red Cliffs	310	310	255
Merbein	260	260	237
Burtundy	420	411	413
Lock 9	330	327	283
L.Victoria	330	333	314
Berri	470	480	347
Waikerie	600	590	402
Morgan	580	585	410
Mannum	460	455	408
Murray Bridge	480	503	405
Meningie	1240	1150	1235
Goolwa Barrages	1720	1837	1226



**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
<b>River Murray</b>						
Khancoban	-	-	4320	S	4640	6490
Jingellic	4.0	1.85	6080	F	6810	9020
Tallandoon ( Mitta Mitta River )	4.2	1.44	900	R	740	870
Heywoods	5.5	1.26	600	S	600	600
Doctors Point	5.5	1.71	2060	R	1780	2250
Albury	4.3	0.84	-	F	-	-
Corowa	7.0	0.76	1900	F	2150	2680
Yarrowonga Weir (d/s)	6.4	0.71	2990	F	3560	4100
Tocumwal	6.4	1.31	3698	S	3930	4570
Torrumbarry Weir (d/s)	7.3	1.53	3844	R	3890	4570
Stevens Weir (d/s)		0.95	694	S	795	913
Swan Hill	4.5	0.97	3810	S	4080	3640
Wakool Junction	8.8	2.44	4793	S	4950	3900
Euston Weir (d/s)	8.8	1.46	6500	R	5800	4180
Wentworth Weir (d/s)	7.3	3.04	6190	R	4780	4520
Rufus Junction	-	3.31	5454	S	5670	3410
Blanchetown (Lock 1 d/s)	-	-	5240	S	4670	2790
<b>Tributaries</b>						
Kiewa at Bandiana	2.7	1.47	1470	R	1320	1740
Ovens at Wangaratta	11.9	8.10	938	F	1060	1540
Goulburn at McCoys Bridge	9.0	1.23	490	F	600	640
Edward at Liewah	-	1.77	1160	R	840	780
Wakool at Stoney Crossing	-	0.41	336	S	310	260
Murrumbidgee at Balranald	5.0	2.02	1880	R	1490	380
Darling at Bourke	-	4.20	960	R	880	910
Darling at Burtundy Rocks	-	0.88	611	S	610	650
Barwon at Mungindi	-	3.33	290	F	330	550

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	4790	6670
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**Weirs and Locks**

**Pool levels above or below design level**

<b>Murray</b>	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	+0.28	+0.99
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.06	+0.07
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.02	+0.18
No. 11 Mildura	34.40	+0.01	+0.13	No. 4 Bookpurnong	13.20	+0.02	+0.70
No. 10 Wentworth	30.80	+0.02	+0.40	No.3 Overland Corner	9.80	+0.02	+0.24
No. 9 Kulnine	27.40	+0.14	+0.13	No. 2 Waikerie	6.10	+0.03	+0.22
No. 8 Wangumma	24.60	+0.14	+0.31	No 1. Blanchetown	3.20	+0.06	-0.05

<b>Murrumbidgee</b>	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-1.00	1.21	1210
No. 5 Redbank	66.90	-0.51	1.51	1910

**Barrages**

**FSL = 0.75 m AHD**

	Openings	Level	Status
Goolwa	128 openings	0.84	All closed
Mundoo	26 openings	0.78	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.80	4

