

# REPORT FOR THE WEEK ENDING

**Wednesday, 29 May 2002**

*Our Ref : MDBC:269 :djcbwh*

**30 May, 2002**



Mainly dry conditions prevailed throughout most of the Basin, although isolated falls of between 25 and 50 mm were recorded in parts of the Darling River system catchment. Rainfall in upper Murray catchments was low, and unregulated inflows to both Hume and Dartmouth Reservoirs remain low for this time of year.

Release from Dartmouth Reservoir specifically for the purpose of electricity generation peaked at 2 000 ML/day on 27 May, and has since been reduced to 1 000 ML/day, and is likely to remain near this rate early next week. This increase in release will be re-regulated in Hume Reservoir and provides an early contribution to any major transfers required later this season to meet requirements downstream of Hume throughout the next irrigation season.

Storage in Hume Reservoir increased by 39 GL to 300 GL (or about 10 % of capacity), and release from Hume has been maintained near 800 ML/day to achieve the minimum flow of 1 200 ML/day at Albury/Wodonga. If inflows to the Murray from the Kiewa River (currently about 400 ML/day) increase, release from Hume will be reduced to the minimum rate of 600 ML/day to conserve resources.

The drawdown of Lake Mulwala for the purposes of remedial works on Yarrawonga Weir is nearing completion as the lake water level is now about 5 m below full supply level (FSL). Release from Yarrawonga Weir over the last week has been gradually reduced from 15 000 ML/day to 4 700 ML/day as the drawdown has neared completion. If conditions remain dry, release will continue to fall to near the minimum flow of 1 800 ML/day over the coming week.

Flow in the Murray downstream of Torrumbarry Weir peaked at 8 900 ML/day on 27 May (with the arrival of the peak flow resulting from the drawdown of Lake Mulwala), and is forecast to steadily fall and level out at about 2 000 ML/day by about 8 June if conditions remain dry. Further downstream, flow at Swan Hill has risen to 8 600 ML/day (at 30 May and near to the peak) and is forecasts to fall to near target minimum level of 0.6 m by about 12 June if conditions remain dry.

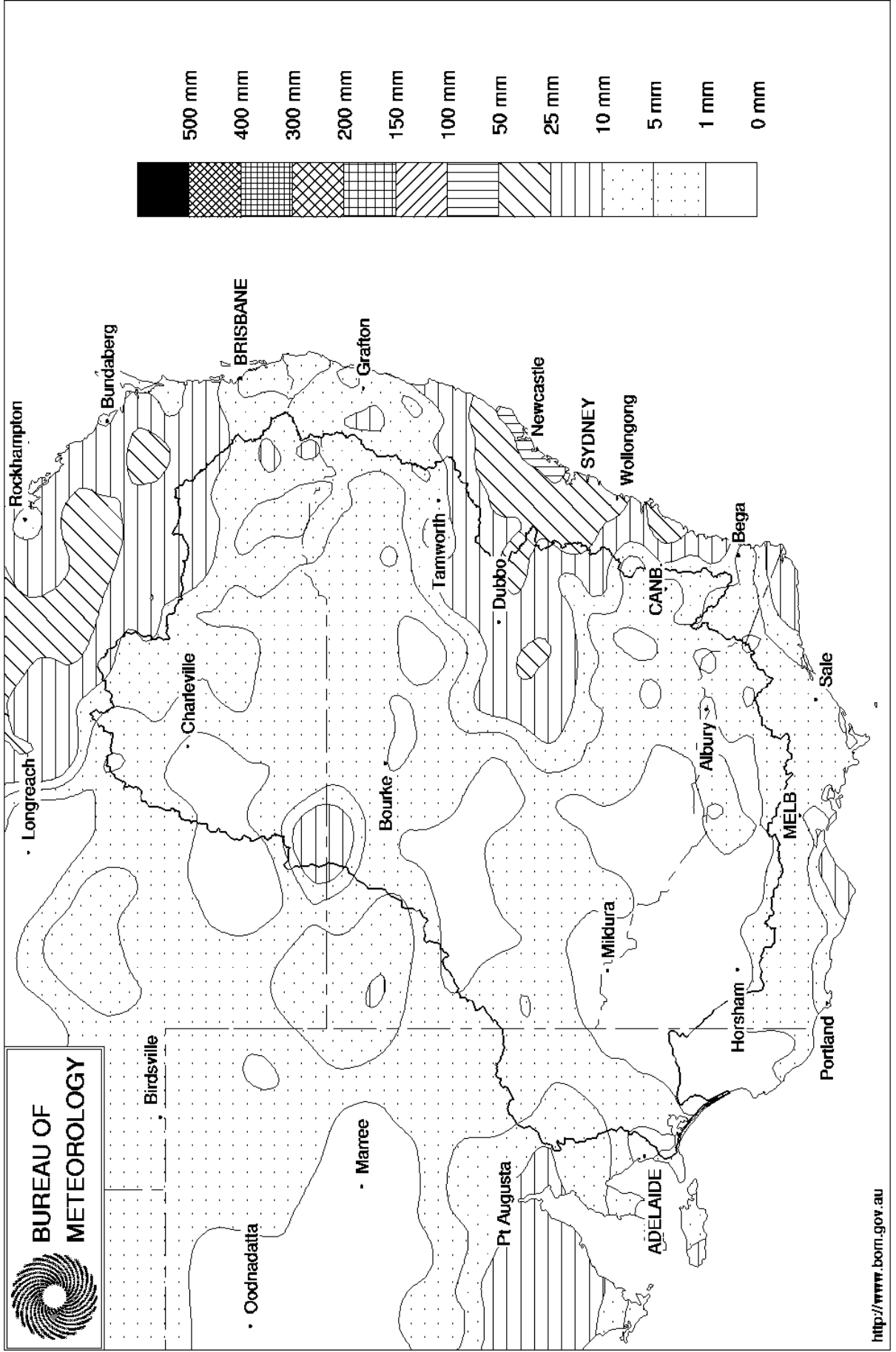
The annual drawdown of Stevens Weir pool on the Edward River for environmental objectives has now been completed and the water level is about 3 m below usual operating level. Release from the weir peaked at 2 100 ML/day this week, and is currently 1 900 ML/day and falling. Refilling of the weir pool is expected to begin in late July in preparation for the next irrigation season.

Drawdown of Mildura Weir pool commenced on 25 May for the temporary removal and replacement of some weir trestles for ongoing maintenance purposes. The pool level (currently about 1.5 m below FSL) is being drawn down at a rate of about 0.5 m per day, and is expected to reach about 3.6 m below full in early June. Release from Mildura Weir has been increased to about 5 700 ML/day, and the water released from this weir pool, along with that released from Lake Mulwala and Stevens Weir will be conserved, as far as possible, in Lake Victoria in coming weeks.

DAVID DOLE  
General Manager

# Murray Darling Rainfall Analysis (mm) Week Ending 29th May 2002

Product of the National Climate Centre



## Week ending Wednesday 29 May 2002

### Water in Storage

MDBC Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	476.29	3 300	84%	80	3 220	-5
Hume Reservoir	192.00	3 038	170.44	300	10%	30	270	+39
Lake Victoria	27.00	680	23.33	294	43%	100	194	+14
Menindee Lakes		1 682 *		411	24%	640 #	0	-2
<b>Total</b>		<b>9 306</b>		<b>4 304</b>	<b>46%</b>	<b>850</b>	<b>3 684</b>	<b>+46</b>

\* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **44%**

# NSW Menindee Lakes Reserve

### Major State Storages

Burrinjuck Reservoir	1 026	241	23%	3	238	+1
Blowering Reservoir	1 631	257	16%	24	233	+33
Eildon Reservoir	3 390	659	19%	100	559	-9

### Snowy Mountains Scheme

Snowy diversions for week ending 28-May-2002

Storage (GL)	Current storage	Weekly change	Diversions	This week	From 1 May 2002
Lake Eucumbene - Total	2 794	-32	Snowy-Murray	+17	42
Snowy-Murray Component	1 309	-	Tooma-Tumut	+3	7
Target Storage	1 290		Nett Diversion	14.1	35
			Murray 1 Release	+22	50

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

New South Wales	This week	From 1 July 2001
Murray Irrig. Ltd (Net)	- 1.2	1 530.3
Wakool System loss	0.1	45.0
Western Murray Irrig.	0.1	29.4
Licensed Pumps	2.9	433.0
Lower Darling	0.1	123.5
<b>TOTAL</b>	<b>2.1</b>	<b>2 161.3</b>

Victoria	This week	From 1 July 2001
Yarrawonga Main Channel (net)	.0	546
Torrumbarry System + Nyah (net)	0.0	847
Sunraysia Pumped Districts	0.4	154
Licensed pumps - GMW (Nyah+u/s)	21.1	99
Licensed pumps - SRW	1.8	184
<b>TOTAL</b>	<b>23.3</b>	<b>1 831</b>

### Flow to South Australia (GL)

Entitlement this month	93	(3 200 ML/day)
Flow this week	22.6	
Flow so far this month	88	
Flow last month	133	

### Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2001
Swan Hill	150	158	182
Euston	190	178	207
Red Cliffs	240	250	276
Merbein	220	230	267
Burtundy	800	812	543
Lock 9	250	245	380
Lake Victoria	460	430	408
Berri	520	541	481
Waikerie	690	690	569
Morgan	690	684	588
Mannum	620	623	559
Murray Bridge	680	676	607
Meningie	1 470	1 480	1 250
Goolwa Barrages	2 950	3 228	1 561



## Week ending Wednesday 29 May 2002

### River Levels and Flows

River Murray	Minor Flood stage (m)	Gauge height		Flow (ML/day)	Trend	Average flow this week (ML/day)	Average flow last week (ML/day)
		local (m)	(m AHD)				
Khancoban	-	-	-	3 850	F	3 380	2 880
Jingellic	4.0	1.70	208.22	4 900	S	4 540	3 730
Tallandoon (Mitta Mitta River)	4.2	1.62	218.51	1 350	F	1 640	1 580
Heywoods	5.5	1.33	154.96	820	R	820	980
Doctors Point	5.5	1.54	150.01	1 210	R	1 250	1 320
Albury	4.3	0.69	148.13	-	-	-	-
Corowa	7.0	0.64	126.66	1 410	S	1 550	2 180
Yarrowonga Weir (d/s)	6.4	0.99	116.03	4 650	F	8 980	10 550
Tocumwal	6.4	1.89	105.73	7 180	F	10 280	8 060
Torrumbarry Weir (d/s)	7.3	2.77	81.32	8 490	F	8 400	4 330
Swan Hill	4.5	1.63	64.55	8 420	R	6 940	3 400
Wakool Junction	8.8	3.29	52.41	8 940	R	6 910	3 560
Euston Weir (d/s)	8.8	1.70	43.54	8 220	R	6 120	2 930
Mildura Weir (d/s)	-	-	30.92	5 710	F	4 030	2 190
Wentworth Weir (d/s)	7.3	3.06	27.82	7 930	F	5 240	2 510
Rufus Junction	-	2.79	17.80	2 690	F	2 700	2 290
Blanchetown (Lock 1 d/s)	-	-	-	2 000	F	2 630	2 520
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	0.87	154.10	440	F	490	390
Ovens at Wangaratta	11.9	7.87	145.55	490	F	610	560
Goulburn at McCoys Bridge	9.0	1.19	92.61	416	F	550	570
Edward at Stevens Weir (d/s)	-	-	-	1 910	F	2 000	1 130
Edward at Liewah	-	2.21	57.59	1 640	R	1 350	790
Wakool at Stoney Crossing	-	0.49	54.98	479	R	380	290
Murrumbidgee at Balranald	5.0	0.72	56.68	400	R	400	300
Barwon at Mungindi	-	3.24	-	120	S	120	140
Darling at Bourke	-	4.06	-	350	R	280	220
Darling at Burtundy Rocks	-	0.75	-	200	S	200	230

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	3 320	1 980
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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	-4.92	-	No. 7 Rufus River	22.10	+0.84	+0.48
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.07	+0.01
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.06	+0.08
No. 11 Mildura	34.40	-1.43	+0.12	No. 4 Bookpurnong	13.20	+0.02	+0.29
No. 10 Wentworth	30.80	-0.04	+0.42	No.3 Overland Corner	9.80	+0.04	+0.12
No. 9 Kulnine	27.40	+0.05	+0.10	No. 2 Waikerie	6.10	+0.02	+0.04
No. 8 Wangumma	24.60	+0.13	+0.16	No 1. Blanchetown	3.20	+0.02	-0.20

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.11	0.71	70.06	410
No. 5 Redbank	66.90	-0.01	0.17	61.47	287

### Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.62	All closed
Mundoo	26 openings	0.61	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.63	All closed

AHD = Level relative to Australian Height Datum, i.e. height above sea level

