

# REPORT FOR THE WEEK ENDING

**Wednesday, 15 November 2000**

*Our Ref : MDBC:269 :ng:bwh*

**17 November, 2000**



Widespread rain was again recorded this week with falls in excess of 25 mm across much of the Basin. Northern New South Wales and southern Queensland received falls of between 50 and 150 mm with the upper Murray catchment receiving between 50 and 100 mm.

Hume Reservoir remains at full capacity. Releases were increased to 21 000 ML/day in response to minor increases in inflows this week. Without further significant rain, release from Hume will be gradually reduced next week, but is not expected to return to fully regulated conditions until late next week if there is no further significant rain.

Renewed rises in the Ovens River catchment resulted in a flow peak of 25 000 ML/day at Wangaratta on 14 November. Release downstream of Yarrawonga Weir has been increased to 39 000 ML/day by 17 November to pass increased inflows due to rises in the Kiewa and Ovens Rivers and Hume release. Further minor rises in the release from Yarrawonga Weir may be made next week.

Flow in the River Murray at Barmah peaked at about 29 000 ML/day on 15 November, and will begin to fall slowly next week. Recent heavy rainfall in the Goulburn River catchment has raised inflow to the Murray from a minimum of 7 000 ML/day on 12 November to 19 000 ML/day by 16 November, and the Goulburn flow is expected to peak at about 21-24 000 ML/day over the next few days.

The radial gates of Torrumbarry Weir will be fully raised from about Friday 17 November. This will allow trapped timber debris to be cleared from the weir structure. As the gates are fully removed from the river, this operation will also allow unrestricted passage for fish past the weir without the need to utilise the fishway. With high flows currently passing Torrumbarry, this operation is expected to reduce the upstream river level to about 0.3 m below normal operating level. The duration of the gate removal will be governed by the magnitude and duration of inflows from the Goulburn River, in order to maintain suitable river levels upstream of the weir.

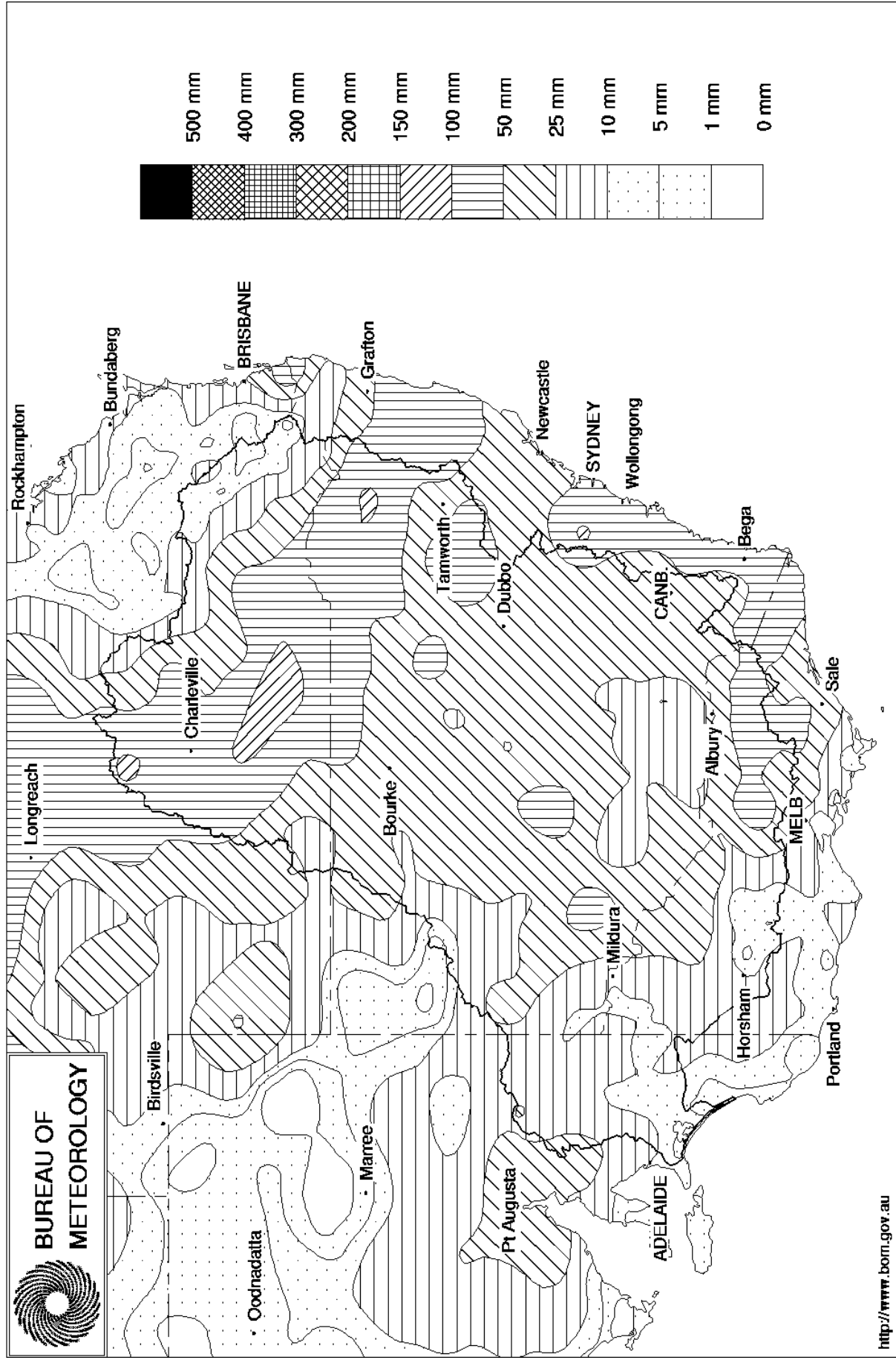
Following the renewed rises in the Goulburn River, forecasts for peak flows downstream in the River Murray are now being revised. *Preliminary* indications are that the peak at Euston will be in the range 45 000 to 50 000 ML/day in late November or early December. A more reliable forecast will be available next week when more information on upstream flows is available, provided that there is no further significant rain.

Planning is in progress to increase the release from Menindee Lakes to lower the storage level to provide 'airspace' for possible flood mitigation in summer months, consistent with normal operating rules. The timing and pattern of the increased release are being considered with New South Wales and South Australian agencies to provide environmental benefits in the lower Darling and lower Murray.

DAVID DOLE  
General Manager

# Murray Darling Rainfall Analysis (mm) Week Ending 15th November 2000

Product of the National Climate Centre



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

Week ending 15-Nov-2000

### 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	471.27	3008	77%	80	2928	+39
Hume Reservoir	192.00	3038	192.02	3042	100%	30	3012	+6
Lake Victoria	27.00	680	26.18	589	87%	100	489	+36
Menindee		1682 *		1912	114%	480 #	1432	-3
<b>Total</b>		<b>9306</b>		<b>8552</b>	<b>92%</b>	<b>690</b>	<b>7862</b>	<b>+78</b>

\* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = 91%

# NSW Menindee Lakes Reserve

### Major State Storages

Burrinjuck Reservoir	1026	822	80%	3	819	+36
Blowering Reservoir	1631	1450	89%	24	1426	-1
Eildon Reservoir	3390	1714	51%	100	1614	+74

### Snowy Mountains Scheme

Snowy diversions for week ending 14-Nov-2000

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	2937	+51	Snowy-Murray	+0	506
Snowy-Murray Component	1440	+41	Tooma-Tumut	+4	266
Target Storage	1450		Nett Diversion	-3.9	241
			Murray 1 Release	+11	808

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

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	12.9	383.5
Wakool System loss	0.0	4.4
Western Murray Irrig.	0.7	4.7
Licensed Pumps	4.7	78.9
Lower Darling	0.2	124.7
<b>TOTAL</b>	<b>18.5</b>	<b>596.2</b>

Victoria	This week	From 1 July
Yarrowonga Main Channel (net)	6.3	68.1
Torrumbarry System + Nyah (net)	2.3	215.4
Sunraysia Pumped Districts	4.2	25.5
Licensed pumps - GMW (Nyah+u/s)	0.3	9.1
Licensed pumps - SRW	3.7	52.0
<b>TOTAL</b>	<b>16.8</b>	<b>370.1</b>

### Flow to South Australia (GL)

Entitlement this month	180
Flow this week	162.1
Flow so far this month	364
Flow last month	997

### Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	440	269	213
Euston	210	219	193
Red Cliffs	250	230	229
Merbein	220	210	185
Burtundy	440	434	422
Lock 9	220	223	219
L. Victoria	210	237	310
Berri	220	217	299
Waikerie	-	290	356
Morgan	270	275	356
Mannum	290	289	355
Murray Bridge	300	300	350
Meningie	1220	1240	1278
Goolwa Barrages	790	724	1694



A Business Unit of MDBC

**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	-	-	4710	R	3500	3970
Jingellic	4.0	2.69	14430	F	11340	13490
Tallandoon ( Mitta Mitta River )	4.2	2.17	3530	F	3470	3340
Heywoods	5.5	3.45	20640	R	16360	19530
Doctors Point	5.5	4.13	28100	R	22490	25430
Albury	4.3	3.26	-	F	-	-
Corowa	7.0	4.14	24400	R	22000	35140
Yarrawonga Weir (d/s)	6.4	4.14	33500	R	32000	57300
Tocumwal	6.4	4.61	32137	R	36950	74820
Torrumbarry Weir (d/s)	7.3	7.10	35917	R	35560	31910
Stevens Weir (d/s)		5.99	17200	S	23071	19371
Swan Hill	4.5	3.93	24490	S	23880	22700
Wakool Junction	8.8	7.51	34442	R	31970	27460
Euston Weir (d/s)	8.8	4.92	36320	R	34250	29010
Wentworth Weir (d/s)	7.3	4.78	32660	R	29460	24920
Rufus Junction	-	5.55	23336	R	22190	23680
Blanchetown (Lock 1 d/s)	-	-	23000	S	23490	27040
<b>Tributaries</b>						
Kiewa at Bandiana	2.7	2.49	4210	S	3720	3940
Ovens at Wangaratta	11.9	11.74	22662	F	13580	11880
Goulburn at McCoys Bridge	9.0	7.50	17423	R	11630	12570
Edward at Liewah	-	4.83	6620	R	5640	3990
Wakool at Stoney Crossing	-	3.62	10700	R	8000	4200
Murrumbidgee at Balranald	5.0	1.42	1110	R	2340	3500
Darling at Bourke	-	4.41	2610	F	2530	1960
Darling at Burtundy Rocks	-	0.88	611	R	580	590
Barwon at Mungindi	-	3.96	2950	R	580	370

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	22320	26000
---	-------	-------

**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
Yarrawonga	124.90	-0.06	-	No. 7 Rufus River	22.10	+0.41	+3.23
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.03	+1.31
No. 15 Euston	47.60	-0.03	-	No. 5 Renmark	16.30	+0.02	+1.14
No. 11 Mildura	34.40	+0.01	+1.95	No. 4 Bookpurnong	13.20	+0.00	+2.08
No. 10 Wentworth	30.80	+0.00	+2.14	No.3 Overland Corner	9.80	+0.01	+1.39
No. 9 Kulnine	27.40	+0.12	+1.17	No. 2 Waikerie	6.10	+0.01	+1.46
No. 8 Wangumma	24.60	+0.20	+1.70	No 1. Blanchetown	3.20	+0.03	+0.91

<b>Murrumbidgee</b>	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	+0.05	1.94	2550
No. 5 Redbank	66.90	+0.04	1.21	1510

**Barrages**

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.72	10
Mundoo	26 openings	0.76	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.75	30

