

REPORT FOR THE WEEK ENDING

Wednesday, 27 September 2000

Our Ref : MDBC:269 :ng;bwh

29 September, 2000



Falls of rain of between 25 and 50 mm were received in the catchments of Dartmouth and Hume Reservoirs this week. The Victorian tributaries of the Murray received between 10 and 50 mm, and the headwaters of the Murrumbidgee, Lachlan and Macquarie Rivers in NSW received between 10 and 25 mm. The central and northern portions of the Basin received little or no rainfall.

All Commission storages, except Dartmouth Reservoir, are either full or will subsequently fill with flows in transit. Total Commission storage is now 87% of active capacity, compared with 61% at the same time last year. The current storage is about 2 300 GL more than at the same time last year.

Inflows to Dartmouth and Hume Reservoirs peaked at about 10 000 and 33 000 ML/day respectively in response to the rain late this week. Release from Hume Reservoir has been increased to 30 000 ML/day in response to rain in the catchment. Downstream, the river level at Albury has risen to 4.0 m (0.3 m below minor flood level) and will be maintained below minor flood level without further significant rain. Storage in Hume Reservoir is now 98% of capacity (which is 0.25 m, and about 50 GL below full supply level). River Murray Water will continue to closely monitor conditions, and release will be adjusted to maintain airspace for flood mitigation; or if conditions become dry, release will be reduced to ensure that the storage is filled to maximise water availability.

Release from Yarrawonga Weir has been gradually reduced to 22 500 ML/day in line with declining flows in the Ovens River and release from Hume early this week. However, Yarrawonga Weir release will be increased again next week to pass increased flow from the Ovens River and increased release from Hume.

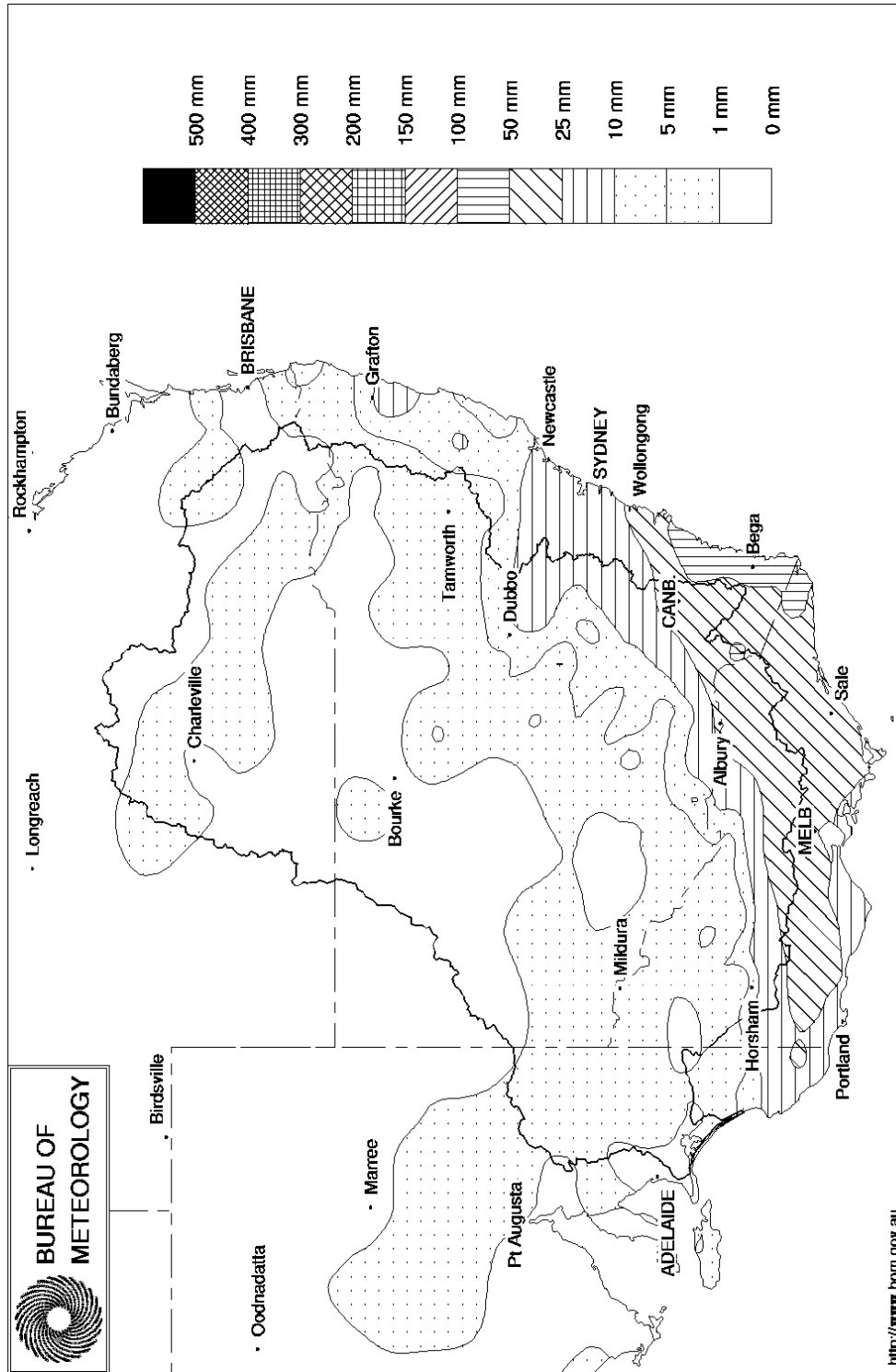
Details of actual River Murray peak flow levels are as follows:

River Gauge Location	Date	Peak Flow (ML/day)	Peak Level (m)	Relation to Minor Flood Level (m)
River Murray at Yarrawonga	16/9/00	68 000	6.0	0.4 below
River Murray at Tocumwal	19/9/00	68 000	6.2	0.2 below
Edward River at Deniliquin	26/9/00	25 000	5.5	0.9 above
Goulburn River at McCoys Bridge	17/9/00	20 000	8.1	0.9 below
River Murray at Echuca (AHD)	20/9/00	-	90.5	2.6 below
River Murray D/S Torrumbarry	21/9/00	29 000	6.5	0.8 below

Preliminary indications are that flow in the River Murray at Euston will peak around 33 000 to 35 000 ML/day on about 4 October and then fall slowly; but a second peak is expected around mid-October resulting from increased inflows from the Goulburn, Murrumbidgee and the return of water from the Edward-Wakool system. Further forecasts for peak levels of the River Murray, including flow to South Australia, will be provided later when more information is available.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 27th September 2000
 Product of the National Climate Centre



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

Week ending 27-Sep-2000

Water in Storage

MDBC Storages	FSL		Full Supply		Level		Storage		Dead storage	Active storage	Change for week
	m AHD	GL	m AHD	GL	GL	%	GL	GL			
Dartmouth Reservoir	486	3906	464.97		2665	68%	80	2585		+42	
Hume Reservoir	192	3038	191.72		2982	98%	30	2952		+43	
Lake Victoria	27	680	25.93		562	83%	100	462		+33	
Menindee		1682 *			1976	117%	480 #	1496		-22	
Total		9306			8184	88%	690	7494		+98	

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **87%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	632	62%	3	629	+8
Blowering Reservoir	1631	1372	84%	24	1348	+50
Eildon Reservoir	3390	1348	40%	100	1248	+50

Snowy Mountains Scheme

Snowy diversions for week ending 26-Sep-2000

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	2494	+90	Snowy-Murray	+0	489
Snowy-Murray Component	1114	+54	Tooma-Tumut	+21	161
Target Storage	1240		Nett Diversion	-21.0	328
			Murray 1 Release	+36	642

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	46.5	136.3
Wakool System loss	0.0	4.4
Western Murray Irrig.	0.4	1.1
Licensed Pumps	6.1	36.3
Lower Darling	12.0	115.9
TOTAL	65.0	294.1

Victoria	This week	From 1 July
Yarrawonga Main Channel (net)	7.9	17.0
Torrumbarry System + Nyah (net)	21.5	137.7
Sunraysia Pumped Districts	1.3	4.7
Licensed pumps - GMW (Nyah+u/s)	1.0	4.5
Licensed pumps - SRW	3.0	26.3
TOTAL	34.6	190.2

Flow to South Australia (GL)

Entitlement this month	135
Flow this week	169.3
Flow so far this month	656
Flow last month	443

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	200	202	218
Euston	190	212	216
Red Cliffs	250	260	251
Merbein	200	210	205
Burtundy	430	430	406
Lock 9	280	235	249
L.Victoria	230	278	336
Berri	330	319	330
Waikerie	420	400	387
Morgan	350	360	396
Mannum	360	360	390
Murray Bridge	370	376	369
Meningie	1350	1350	1254
Goolwa Barrages	820	825	1253



River Levels and Flows

	Minor Flood stage	Gauge height	Flow	Trend	Average flow this week	Average flow last week
	m	m	ML/day		ML/day	ML/day
River Murray						
Khancoban	-	-	9760	S	8680	5480
Jingellic	4.0	3.18	20170	R	17420	20850
Tallandoon (Mitta Mitta River)	4.2	2.24	3880	R	2860	3980
Heywoods	5.5	3.71	21120	R	17180	34160
Doctors Point	5.5	4.09	27600	R	22660	38440
Albury	4.3	3.16	-	F	-	-
Corowa	7.0	3.76	21300	R	27770	38990
Yarrowonga Weir (d/s)	6.4	3.28	24000	F	39770	64490
Tocumwal	6.4	4.81	34941	F	51860	61540
Torrumbarry Weir (d/s)	7.3	5.68	22588	F	25380	26230
Stevens Weir (d/s)		5.93	16600	F	14743	8156
Swan Hill	4.5	3.48	21320	R	21010	19350
Wakool Junction	8.8	6.45	26800	R	25890	23470
Euston Weir (d/s)	8.8	4.50	31580	R	30490	28160
Wentworth Weir (d/s)	7.3	4.63	29590	S	28220	25800
Rufus Junction	-	5.44	22136	R	23070	26240
Blanchetown (Lock 1 d/s)	-	-	25700	F	26690	25840
Tributaries						
Kiewa at Bandiana	2.7	2.57	5440	R	4170	4730
Ovens at Wangaratta	11.9	10.67	10607	R	9040	23340
Goulburn at McCoys Bridge	9.0	2.30	2250	F	5330	18120
Edward at Liewah	-	4.15	4900	R	4760	4320
Wakool at Stoney Crossing	-	2.03	3790	R	3170	2080
Murrumbidgee at Balranald	5.0	4.63	6730	S	6500	6730
Darling at Bourke	-	4.32	1830	R	1740	1860
Darling at Burtundy Rocks	-	1.20	1670	R	1660	1690
Barwon at Mungindi	-	3.11	0	F	30	70

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	30490	44350
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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	-0.03	-	No. 7 Rufus River	22.10	+0.30	+3.12
No. 26 Torrumbarry	86.05	-0.02	-	No. 6 Murtho	19.25	-0.13	+1.25
No. 15 Euston	47.60	+0.02	-	No. 5 Renmark	16.30	-0.18	+1.12
No. 11 Mildura	34.40	+0.01	+1.76	No. 4 Bookpurnong	13.20	-0.07	+2.09
No. 10 Wentworth	30.80	+0.00	+1.99	No.3 Overland Corner	9.80	-0.05	+1.44
No. 9 Kulnine	27.40	+0.07	+0.99	No. 2 Waikerie	6.10	-0.04	+1.58
No. 8 Wangumma	24.60	+0.12	+1.52	No 1. Blanchetown	3.20	+0.01	+1.02

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	+0.24	4.39	9770
No. 5 Redbank	66.90	+0.21	5.81	11100

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.66	40
Mundoo	26 openings	0.75	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	40
Tauwitchere	322 gates	0.70	40

