REPORT FOR THE WEEK ENDING

Wednesday, 20 November 2002

Our Ref : MDBC:269 :dc:bwh **22 November, 2002**

River Murray Water
A Business Unit of MDBC

Rainfall

Light falls of rain (up to 10 mm) were recorded along parts of the River Murray between Mildura and Swan Hill, and in parts of the upper Murray catchment. However, due to the very dry antecedent conditions, this is not expected to produce any significant change in flow in the River Murray. Higher falls in the range 25 to 50 mm were recorded in northern areas of the Murray-Darling Basin.

Upper Murray storages

Storage in Dartmouth Reservoir was drawn down by 67 GL to 2 293 GL or 59 % of capacity. Inflow averaged about 500 ML/day this week while release has been maintained at 9 800 at Colemans in order to target a flow of about 10 000 ML/day at Tallandoon.

Storage in Hume Reservoir declined further this week by 72 GL to 544 GL (18 % of capacity). Flow at Albury/Wodonga (currently 22 500 ML/day) is now being reduced toward 20 600 ML/day by reducing release from Hume. This reduction has been made to maintain an operating level in Lake Mulwala which allows re-regulation and conservation of flow in the event of a significant reduction in major diversions from the Lake Mulwala.

Mid Murray operation

Combined diversion from Lake Mulwala via Mulwala Canal and the Yarrawonga Main Channel is currently 6 300 ML/day or 48 % of capacity. Release from Yarrawonga Weir is being maintained at 15 000 ML/day.

Further downstream, diversion to National Channel from Torrumbarry Weir pool was further increased this week from 3 000 to 3 500 ML/day. Some of this additional water will be used to supply increased demand within the Torrumbarry Irrigation System while the remainder will be used to assist in replenishing internal Torrumbarry system storages which have been drawn down in recent weeks. Flow downstream of Torrumbarry Weir has been steady near 7 800 ML/day.

Lake Victoria

Storage in Lake Victoria was increased by 16 GL to 510 GL or 75 % of capacity, and will continue to be increased in coming weeks in preparation for it to be used to assist in supplying South Australia's entitlement flow later in the season. Up until 9 am on 20 November, Lake Victoria had received 15 mm of rain. Rainfall in the region and further upstream will only temporarily assist in reducing river transmission losses for water currently being transferred from Hume to Lake Victoria.

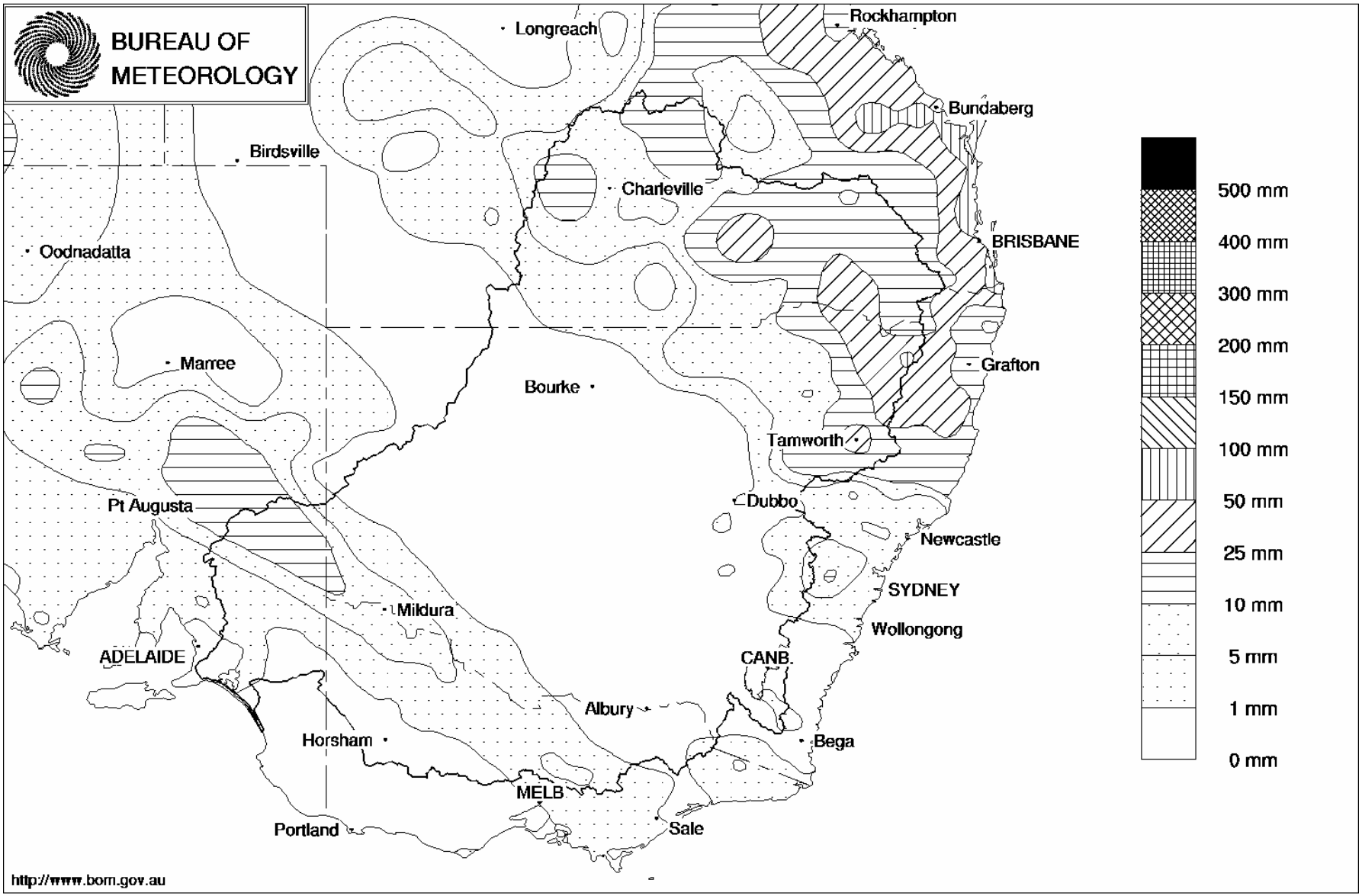
Menindee Lakes

Storage in Menindee Lakes is currently 181 GL or 11 % of nominal capacity. Release from Menindee Lakes at Weir 32 to the lower Darling was increased by the NSW Department of Land and Water Conservation (DLWC) to about 200 ML/day in mid October and maintained until early November to assist with domestic and stock water supplies. DLWC is now maintaining flow in the lower Darling at about 50 ML/day to conserve resources in Menindee Lakes.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 20th November 2002

Product of the National Climate Centre



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Week ending Wednesday 20 Nov 2002

Water in Storage

MDBC Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage (GL)	Current Storage %	Dead Storage (GL)	Active Storage (GL)	Change in Storage for the week (GL)
Dartmouth Reservoir	486.00	3 906	457.58	2 293	59%	80	2 213	-67
Hume Reservoir	192.00	3 038	173.82	544	18%	30	514	-72
Lake Victoria	27.00	680	25.45	510	75%	100	410	+16
Menindee Lakes		1 682 *		181	11%	640 #	0	-10
Total		**9 306**		**3 528**	**38%**	**850**	**3 137**	**-133**

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **37%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1 026		296	29%	3	293	-4
Blowering Reservoir	1 631		199	12%	24	175	-49
Eildon Reservoir	3 390		698	21%	100	598	-25

Snowy Mountains Scheme

Snowy diversions for week ending 19-Nov-2002

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1 May 2002
Lake Eucumbene - Total	3 156	-27	Snowy-Murray	+12	241
Snowy-Murray Component	1 548	-	Tooma-Tumut	+0	180
Target Storage	1 450		Nett Diversion	12.0	61
			Murray 1 Release	+15	478

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2002
Murray Irrig. Ltd (Net)	11.9	304.9
Wakool System loss	1.0	17.9
Western Murray Irrig.	1.0	9.4
Licensed Pumps	4.0	94.0
Lower Darling	5.3	70.2
TOTAL	**23.2**	**496.4**

Victoria	This week	From 1 July 2002
Yarrawonga Main Channel (net)	15.4	214
Torrumbarry System + Nyah (net)	21.9	414
Sunraysia Pumped Districts	5.1	52
Licensed pumps - GMW (Nyah+u/s)	1.5	24
Licensed pumps - SRW	5.8	63
TOTAL	**49.7**	**767**

Flow to South Australia (GL)

Entitlement this month	180
Flow this week	42.1
Flow so far this month	121
Flow last month	171

(6 000 ML/day)

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2002
Swan Hill	60	70	100
Euston	80	80	150
Red Cliffs	90	90	170
Merbein	100	100	180
Burtundy (Darling)	1 020	950	860
Lock 9	120	120	230
Lake Victoria	300	280	340
Berri	310	310	400
Waikerie	-	-	570
Morgan	580	570	610
Mannum	620	620	650
Murray Bridge	720	720	730
Milang (Lake Alex.)	1 060	1 010	980
Poltalloch (Lake Alex.)	1 040	1 080	1 110
Meningie (Lake Alb.)	1 440	1 510	1 470
Goolwa Barrages	2 330	2 280	3 460

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River Levels and Flows

River Murray	Minor Flood stage (m)	Gauge height local (m)	Gauge height (m AHD)	Flow (ML/day)	Trend	Average flow this week (ML/day)	Average flow last week (ML/day)
Khancoban	-	-	-	1 380	F	1 580	3 390
Jingellic	4.0	1.33	207.85	2 150	F	2 630	4 480
Tallandoon (Mitta Mitta River)	4.2	3.21	220.10	10 080	R	10 040	9 980
Heywoods	5.5	3.56	157.19	22 440	R	22 060	20 550
Doctors Point	5.5	3.68	152.15	22 500	R	22 200	21 130
Albury	4.3	2.76	150.20	-	-	-	-
Corowa	7.0	3.95	129.97	22 800	S	22 400	21 770
Yarrawonga Weir (d/s)	6.4	2.37	117.41	15 000	S	15 000	14 840
Tocumwal	6.4	2.92	106.76	14 940	S	14 860	14 550
Torrumbarry Weir (d/s)	7.3	2.56	81.11	7 780	F	7 800	8 090
Swan Hill	4.5	1.42	64.34	7 060	R	7 230	7 680
Wakool Junction	8.8	3.64	52.76	10 460	S	10 640	11 000
Euston Weir (d/s)	8.8	2.17	44.01	11 160	S	11 330	11 450
Mildura Weir (d/s)		-	31.15	8 260	F	8 070	8 100
Wentworth Weir (d/s)	7.3	3.14	27.90	8 890	R	8 590	8 600
Rufus Junction	-	3.31	17.60	5 620	R	5 530	5 620
Blanchetown (Lock 1 d/s)	-	-	-	3 200	S	3 240	3 040
Tributaries							
Kiewa at Bandiana	2.7	0.67	153.90	220	F	320	480
Ovens at Wangaratta	11.9	7.71	145.39	255	R	300	530
Goulburn at McCoys Bridge	9.0	1.17	92.59	383	F	360	380
Edward at Stevens Weir (d/s)	-	-	-	2 890	F	2 740	2 900
Edward at Liewah	-	3.00	58.38	2 730	F	2 710	2 750
Wakool at Stoney Crossing	-	0.85	55.34	1 490	F	1 550	1 540
Murrumbidgee at Balranald	5.0	1.12	57.08	790	R	340	210
Barwon at Mungindi	-	3.19	-	40	R	50	40
Darling at Bourke	-	3.88	-	-	F	10	50
Darling at Burtundy Rocks	-	0.66	-	40	S	40	10

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	1 940	2 010

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
Yarrawonga	124.90	-0.21	-	No. 7 Rufus River	22.10	+0.12	+1.00
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.03	+0.08
No. 15 Euston	47.60	-0.02	-	No. 5 Renmark	16.30	+0.02	+0.13
No. 11 Mildura	34.40	+0.06	+0.35	No. 4 Bookpurnong	13.20	+0.02	+0.58
No. 10 Wentworth	30.80	+0.05	+0.50	No.3 Overland Corner	9.80	+0.02	+0.18
No. 9 Kulnine	27.40	+0.03	+0.06	No. 2 Waikerie	6.10	+0.04	+0.11
No. 8 Wangumma	24.60	+0.02	+0.23	No 1. Blanchetown	3.20	+0.01	-0.02

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht. local (m)	d/s gauge ht. (m AHD)	Flow (ML/day)
No. 7 Maude	75.40	-0.15	0.56	69.91	260
No. 5 Redbank	66.90	+0.08	0.28	61.58	394

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.69	All closed
Mundoo	26 openings	-	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwitchere	322 gates	0.64	All closed

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

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