REPORT FOR THE WEEK ENDING

Wednesday, 29 October 2003

Our Ref : RMW305/01/01/ms:bwh **29 April, 2004**

River Murray Water
A Business Unit of MDBC

Weather Conditions and Inflows

Much of the southern Basin received rain with the greatest falls recorded in the upper Murray catchment, ranging from 10 to 50 mm. Minor increases in streamflow have resulted in the Dartmouth and Hume Reservoir catchments, with inflows to storages peaking at 5 200 and 13 600 ML/d respectively. Minor rises were recorded in the Ovens River early in the week.

Continued cool conditions, together with the recent rain, along the Murray has led to significant reductions in irrigation demand at major offtakes.

Upper Murray Storages

Storage increases of 23 and 26 GL respectively in Dartmouth and Hume have brought storage to 1 717 GL (44% of capacity) and 2 215 GL (73%). This compares with a volume of 2 500 GL and 733 GL at the same time last year.

Reduced irrigation demand and minor increases in tributary inflow has enabled a temporary reduction in release at Hume over the week. However, without further significant rain, release is expected to be increased next week to meet increased requirements including an increase in the rate of transfer of resources from Hume to Lake Victoria.

Mid Murray Operation

Release Yarrawonga Weir has been increased from 8 500 to 9 200 ML/d during the week. This rate of flow is slightly more than the water supply and minimum flow requirements between Yarrawonga and Euston, and has been regulated in order to commence transfer of water to Lake Victoria. This operation will reduce the rate of fall in storage in Lake Victoria to provide reserves to assist in meeting flow to South Australia over the remainder of the season.

Depending on conditions next week, flow at Yarrawonga may be further increased to near channel capacity for the Barmah-Millewa Forest (about 10 300 ML/d at Yarrawonga) to increase the rate of transfer to Lake Victoria. An additional transfer is also being planned via Mulwala Canal and the Edward River system. The rate of transfer Lake Victoria will be closely monitored, in conjunction with irrigation demand and tributary inflows along the mid Murray, in order to conserve resources.

The water level of Euston Weir pool is being temporarily drawn down to about 0.2 m below full supply level to enable works to be undertaken on the fishway. The weir pool level is forecast to return to full supply level by the end of next week.

Flow to South Australia

After almost three months of flow above requirement, the flow to South Australia receded to the October entitlement rate of 5 500 ML/day on 24 October, and was maintained at that rate until the end of October. In managing its available water resources for the remainder of the season, South Australia is currently considering what rate of flow it will request for November 2003.

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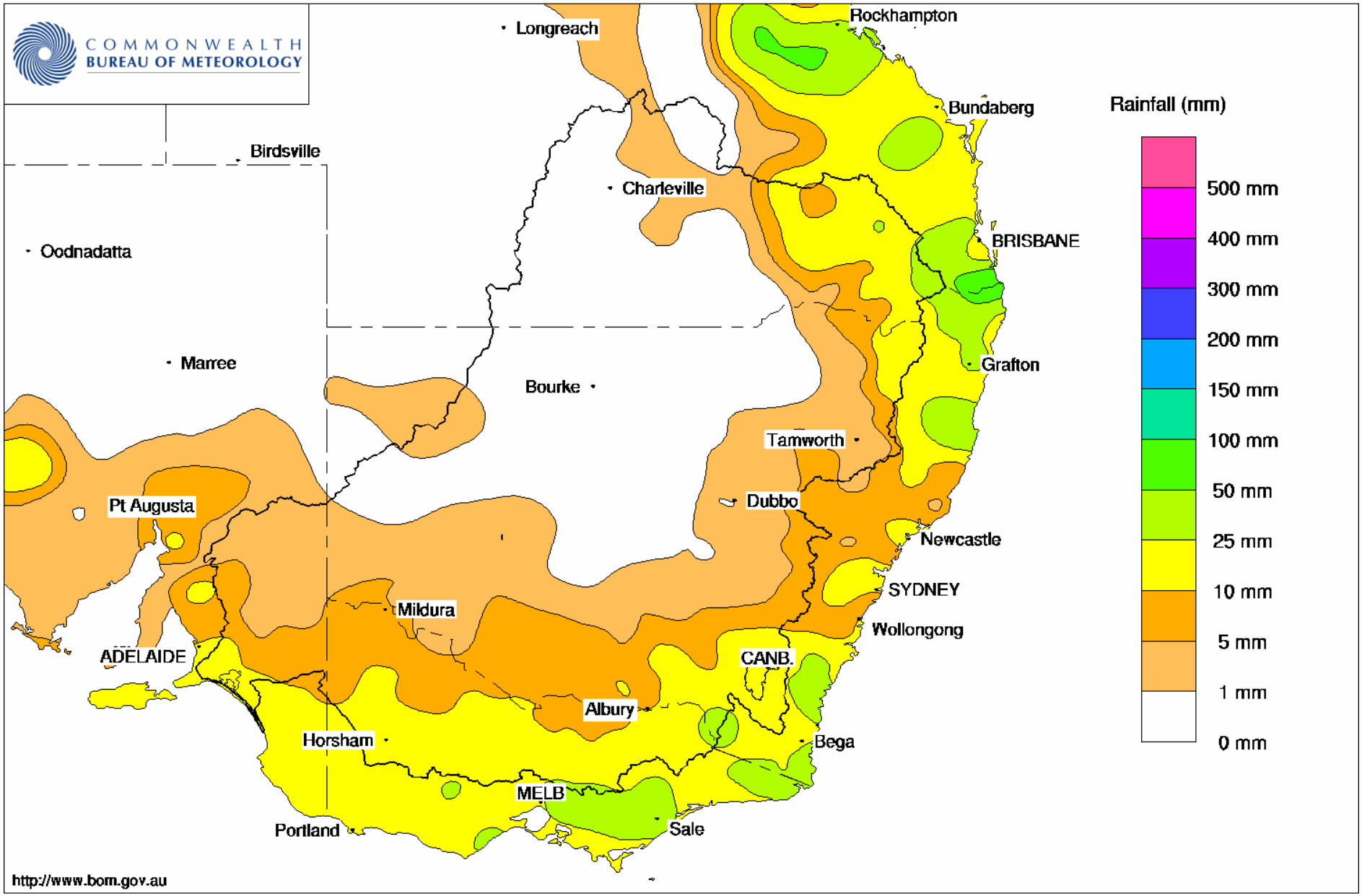
Murray Darling Rainfall Analysis (mm) Week Ending 29th October 2003

Product of the National Climate Centre



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Week ending Wednesday 29 Oct 2003

Water in Storage

MDBC Storages	Full Supply Level	Full Supply Volume	Current Storage Level	Current Storage		Dead Storage	Active Storage	Change in Storage for the week
	(m AHD)	(GL)	(m AHD)	(GL)	%	(GL)	(GL)	(GL)
Dartmouth Reservoir	486.00	3 906	444.41	1 714	44%	80	1 634	+23
Hume Reservoir	192.00	3 038	187.52	2 212	73%	30	2 182	+26
Lake Victoria	27.00	680	27.00	680	100%	100	580	+0
Menindee Lakes		1 603 *		54	3%	640 #	0	-2
Total		**9 227**		**4 659**	**50%**	**850**	**4 395**	**+47**

* Menindee surcharge capacity 1916 GL

% of Total Active MDBC Storage = **52%**

\# NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1 026		435	42%	3	432	+5
Blowering Reservoir	1 631		908	56%	24	884	+20
Eildon Reservoir	3 390		1 389	41%	100	1 289	+40

Snowy Mountains Scheme

Snowy diversions for week ending 28-Oct-2003

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2003
Lake Eucumbene - Total	1 824	+11	Snowy-Murray	+0	509
Snowy-Murray Component	928	-	Tooma-Tumut	+2	182
Target Storage	1 400		Nett Diversion	-2.2	327
			Murray 1 Release	+12	750

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2003
Murray Irrig. Ltd (Net)	23.5	173.6
Wakool System loss	1.1	3.2
Western Murray Irrig.	0.6	3.5
Licensed Pumps	5.0	46.7
Lower Darling	0.2	1.5
TOTAL	**30.4**	**228.5**

Victoria	This week	From 1 July 2003
Yarrawonga Main Channel (net)	7.0	47
Torrumbarry System + Nyah (net)	20.7	149
Sunraysia Pumped Districts	3.9	20
Licensed pumps - GMW (Nyah+u/s)	0.6	3
Licensed pumps - SRW	4.0	54
TOTAL	**36.2**	**273**

Flow to South Australia (GL)

Entitlement this month	170
Flow this week	38.6
Flow so far this month	197
Flow last month	299

(5 500 ML/day)

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2003
Swan Hill	100	110	120
Euston	110	110	130
Red Cliffs	130	130	130
Merbein	140	140	130
Burtundy (Darling)	1 820	1 740	1 690
Lock 9	160	140	170
Lake Victoria	210	220	230
Berri	240	250	290
Waikerie	-	-	450
Morgan	370	370	450
Mannum	330	330	500
Murray Bridge	430	450	550
Milang (Lake Alex.)	1 180	1 120	1 020
Poltalloch (Lake Alex.)	1 300	1 220	1 090
Meningie (Lake Alb.)	1 580	1 610	1 470
Goolwa Barrages	1 190	1 220	2 710

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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	-	-	-	2 780	F	2 630	5 040
Jingellic	4.0	1.97	208.49	7 160	R	7 540	9 590
Tallandoon (Mitta Mitta River)	4.2	1.60	218.49	1 290	R	1 420	1 530
Heywoods	5.5	2.07	155.70	6 500	F	6 040	6 230
Doctors Point	5.5	2.48	150.95	8 050	F	8 190	8 540
Albury	4.3	1.44	148.88	-	-	-	-
Corowa	7.0	2.08	128.10	9 050	R	9 440	8 990
Yarrawonga Weir (d/s)	6.4	1.65	116.69	9 230	F	8 770	7 880
Tocumwal	6.4	2.17	106.01	9 840	R	9 220	8 250
Torrumbarry Weir (d/s)	7.3	1.68	80.23	4 620	R	3 680	4 780
Swan Hill	4.5	0.86	63.78	3 490	F	3 790	5 570
Wakool Junction	8.8	2.28	51.40	5 100	F	6 010	8 440
Euston Weir (d/s)	8.8	1.26	43.10	5 720	F	6 500	8 350
Mildura Weir (d/s)		-	30.96	6 050	F	6 800	8 550
Wentworth Weir (d/s)	7.3	2.92	27.68	5 320	R	6 170	7 560
Rufus Junction	-	3.31	20.24	5 620	R	5 200	5 180
Blanchetown (Lock 1 d/s)	-	-	-	4 100	F	4 140	5 430
Tributaries							
Kiewa at Bandiana	2.7	1.94	155.17	2 290	F	2 880	3 100
Ovens at Wangaratta	11.9	9.10	146.78	3 920	F	4 030	3 410
Goulburn at McCoys Bridge	9.0	1.34	92.76	670	S	620	550
Edward at Stevens Weir (d/s)	-	-	-	1 030	F	810	750
Edward at Liewah	-	1.36	56.74	750	F	950	1 190
Wakool at Stoney Crossing	-	0.55	55.04	600	F	710	890
Murrumbidgee at Balranald	5.0	0.58	56.54	244	F	250	210
Barwon at Mungindi	-	3.42	-	530	F	700	1 430
Darling at Bourke	-	3.90	-	0	F	0	10
Darling at Burtundy Rocks	-	0.67	-	36	S	40	30

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	14 090	16 940

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	-0.09	-	No. 7 Rufus River	22.10	+0.04	+1.01
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.03	+0.04
No. 15 Euston	47.60	-0.10	-	No. 5 Renmark	16.30	+0.01	+0.14
No. 11 Mildura	34.40	-0.02	+0.16	No. 4 Bookpurnong	13.20	+0.02	+0.54
No. 10 Wentworth	30.80	+0.03	+0.28	No.3 Overland Corner	9.80	+0.00	+0.19
No. 9 Kulnine	27.40	+0.00	+0.00	No. 2 Waikerie	6.10	+0.02	+0.13
No. 8 Wangumma	24.60	-0.02	+0.10	No 1. Blanchetown	3.20	+0.03	+0.23

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	-0.09	0.8	70.15	520
No. 5 Redbank	66.90	-0.56	0.15	61.45	269

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.75	All closed
Mundoo	26 openings	0.78	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwitchere	322 gates	0.74	All closed

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

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