

REPORT FOR THE WEEK ENDING

Wednesday, 18 June 2003

Our Ref.: MDBC:269 :ng/bwh

19 June, 2003



Rain boosts upper Murray and tributary flows

The Upper Murray, Kiewa and Ovens catchments received further rain this week with falls generally between 10 and 60 mm leading to increased streamflows. Inflow to Dartmouth Reservoir increased to a peak of 2 400 ML/day and is slowly receding as catchments are now wetter. Inflow to Hume increased to 6 500 ML/day (including about 5 000 ML/day from the Snowy Mountains Scheme) by 18 June, and expected to peak at about 7 500 ML/day early next week.

Flows from the Kiewa and Ovens Rivers to the River Murray have increased to peaks of 1 400 and 2 200 ML/day respectively during the week. Whilst these flow rates would be considered quite low in most years at this time, they are the highest inflows from these tributaries observed in about nine months.

Combined storage in Dartmouth and Hume Reservoirs rose by 45 GL and storage levels are now at 30 and 15% of capacity respectively. Release from both storages is being maintained at minimum requirements. Water quality downstream of Dartmouth Reservoir has now returned to normal levels after the partial mixing of top and bottom layers within the storage last week.

Mid Murray operation

The increased tributary inflows from the Kiewa and Ovens Rivers are being passed downstream of Yarrawonga Weir where release has been increased from 2 700 to 3 500 ML/day. River level at Swan Hill is 0.7 m (0.1 m above the target minimum of 0.6 m) and is expected to rise to 0.8 m by the end of June.

Other tributaries remain low

Inflows to the River Murray from the Goulburn, Campaspe, Loddon and Murrumbidgee Rivers remain very low totalling about 650 ML/day.

Menindee Lakes

Inflow to Menindee Lakes has receded to about 250 ML/d – which is about equal to current evaporation losses – with storage volume in Menindee now steady. Further upstream on the Darling River, flow at Bourke is steady at about 400 ML/day with no prospects for substantial rises unless significant rain falls across the upper Darling River System catchment.

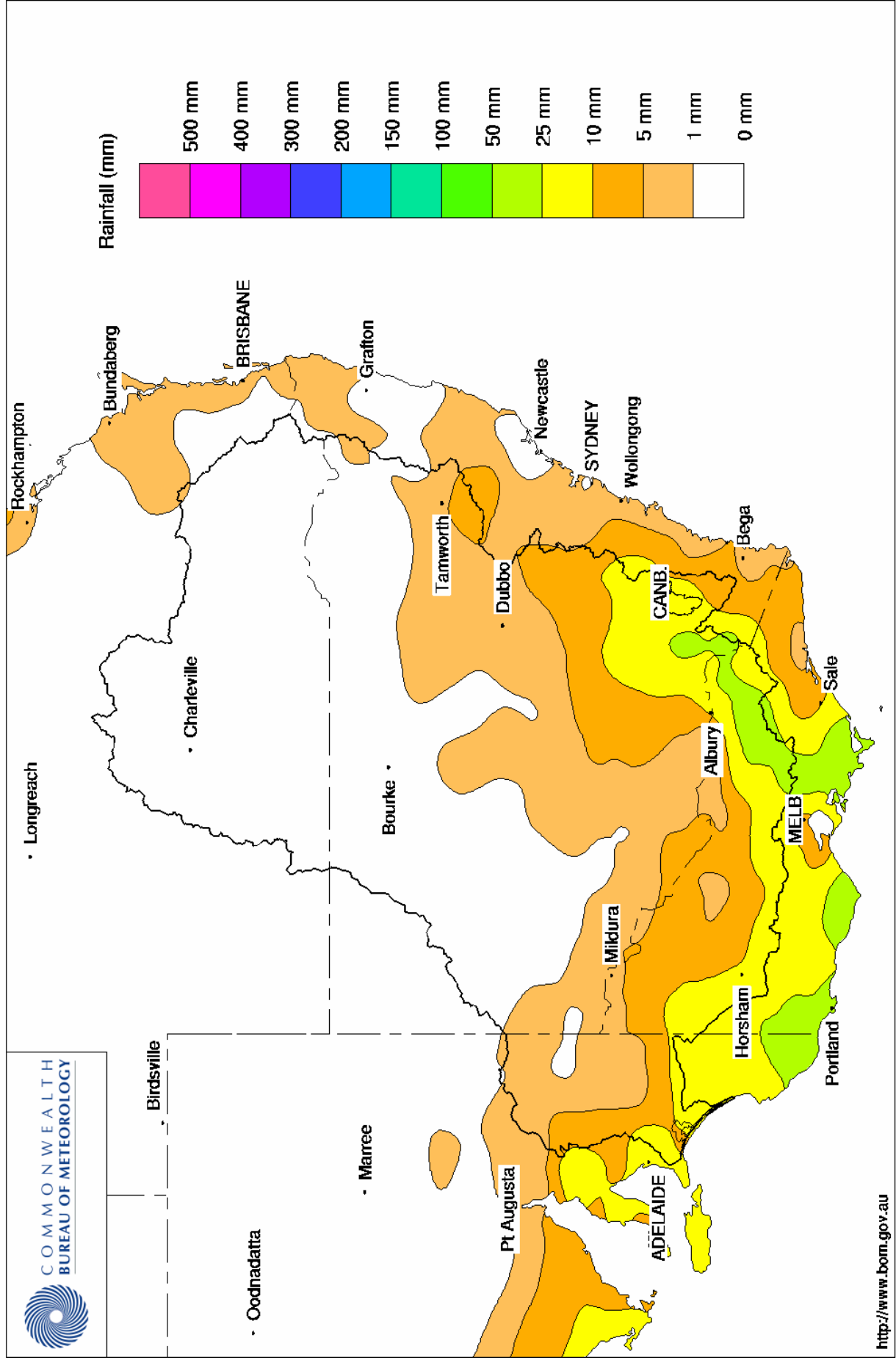
Rainfall outlook

The Bureau of Meteorology's latest rainfall outlook (for July to September 2003 inclusive) again has no strong indications of either wet or dry conditions for the upper Murray. This latest outlook also has no strong indications for wet or dry conditions across the upper Darling River catchment whereas earlier outlooks showed better prospects for rain in this area.

DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 18th June 2003

Product of the National Climate Centre



Week ending Wednesday 18 Jun 2003

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	428.95	1 163	30%	80	1 083	+10
Hume Reservoir	192.00	3 038	172.55	444	15%	30	414	+35
Lake Victoria	27.00	680	23.27	289	42%	100	189	+10
Menindee Lakes		1 682 *		70	4%	640 #	0	+1
Total		9 306		1 965	21%	850	1 685	+55

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **20%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1 026		66	6%	3	63	+4
Blowering Reservoir	1 631		124	8%	24	100	+37
Eildon Reservoir	3 390		696	21%	100	596	+377

Snowy Mountains Scheme

Snowy diversions for week ending 17-Jun-2003

Storage (GL)	Current storage	Weekly change	Diversions	This week	From 1 May 2003
Lake Eucumbene - Total	1 823	-35	Snowy-Murray	+22	190
Snowy-Murray Component	783	-	Tooma-Tumut	+5	18
Target Storage	1 240		Nett Diversion	17.0	172
			Murray 1 Release	+30	208

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2002
Murray Irrig. Ltd (Net)	.0	524.0
Wakool System loss	0.2	55.3
Western Murray Irrig.	0.2	29.7
Licensed Pumps	1.2	206.5
Lower Darling	0.1	124.4
TOTAL	1.8	939.9

Victoria	This week	From 1 July 2002
Yarrawonga Main Channel (net)	.0	484
Torrumbarry System + Nyah (net)	0.0	805
Sunraysia Pumped Districts	0.0	158
Licensed pumps - GMW (Nyah+u/s)	0.0	78
Licensed pumps - SRW	1.8	195
TOTAL	1.7	1 720

Flow to South Australia (GL)

Entitlement this month	90	(2 300 ML/day)
Flow this week	16.3	
Flow so far this month	43	
Flow last month	93	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2002
Swan Hill	190	170	90
Euston	140	140	120
Red Cliffs	140	160	140
Merbein	170	160	160
Burtundy (Darling)	1 440	1 480	1 210
Lock 9	350	270	170
Lake Victoria	260	280	290
Berri	370	340	330
Waikerie	-	-	400
Morgan	480	460	470
Mannum	440	430	540
Murray Bridge	530	530	610
Milang (Lake Alex.)	1 160	1 050	1 150
Poltalloch (Lake Alex.)	1 250	1 160	1 150
Meningie (Lake Alb.)	1 710	1 550	1 620
Goolwa Barrages	5 950	4 940	3 350



Week ending Wednesday 18 Jun 2003

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	-	-	-	5 300	F	4 080	3 790
Jingellic	4.0	1.93	208.45	6 800	R	5 560	4 750
Tallandoon (Mitta Mitta River)	4.2	1.28	218.17	510	F	550	470
Heywoods	5.5	1.17	154.80	600	S	760	800
Doctors Point	5.5	1.66	150.13	1 790	R	1 600	1 350
Albury	4.3	0.76	148.20	-	-	-	-
Corowa	7.0	0.76	126.78	1 900	R	1 380	1 290
Yarrowonga Weir (d/s)	6.4	0.72	115.76	3 530	S	2 950	2 210
Tocumwal	6.4	1.07	104.91	3 030	R	2 570	2 150
Torrumbarry Weir (d/s)	7.3	1.16	79.71	2 730	R	2 540	2 530
Swan Hill	4.5	0.70	63.62	2 430	F	2 520	2 920
Wakool Junction	8.8	1.78	50.90	3 340	R	3 470	4 060
Euston Weir (d/s)	8.8	0.85	42.69	3 630	F	3 860	4 430
Mildura Weir (d/s)	-	-	30.84	3 890	F	4 210	4 690
Wentworth Weir (d/s)	7.3	2.83	27.59	3 320	F	3 640	4 160
Rufus Junction	-	2.63	19.56	1 990	F	1 500	1 520
Blanchetown (Lock 1 d/s)	-	-	-	1 420	R	1 360	1 380
Tributaries							
Kiewa at Bandiana	2.7	1.46	154.69	1 320	R	1 000	720
Ovens at Wangaratta	11.9	8.49	146.17	2 082	F	1 730	1 020
Goulburn at McCoys Bridge	9.0	1.19	92.61	416	S	430	390
Edward at Stevens Weir (d/s)	-	-	-	180	F	180	220
Edward at Liewah	-	1.04	56.42	530	S	540	570
Wakool at Stoney Crossing	-	0.31	54.80	172	F	190	210
Murrumbidgee at Balranald	5.0	0.48	56.44	186	F	230	490
Barwon at Mungindi	-	3.22	-	90	S	90	110
Darling at Bourke	-	4.09	-	460	F	450	380
Darling at Burtundy Rocks	-	0.64	-	10	F	20	60

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	4 920	3 320
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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	-0.18	-	No. 7 Rufus River	22.10	+0.02	+0.32
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.08	-0.04
No. 15 Euston	47.60	-0.02	-	No. 5 Renmark	16.30	+0.02	+0.09
No. 11 Mildura	34.40	+0.00	+0.04	No. 4 Bookpurnong	13.20	+0.05	+0.22
No. 10 Wentworth	30.80	-0.01	+0.19	No.3 Overland Corner	9.80	+0.03	+0.10
No. 9 Kulnine	27.40	+0.03	-0.01	No. 2 Waikerie	6.10	+0.02	+0.06
No. 8 Wangumma	24.60	+0.01	+0.02	No 1. Blanchetown	3.20	+0.04	-0.28

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-2.36	1.1	70.45	991
No. 5 Redbank	66.90	-2.31	0.12	61.42	244

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.52	All closed
Mundoo	26 openings	0.52	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwicheere	322 gates	0.54	All closed

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

