

REPORT FOR THE WEEK ENDING

Wednesday, 25 June 2003

Our Ref : MDBC:269 : bwh

27 June, 2003



Further Light Rain however Inflows Remain Low

Rainfall in the range of 10 to 25 mm was recorded along the eastern side of the Murray-Darling Basin from Queensland down to Victoria, with trace falls of less than 10 mm in much of the western side of the Basin.

Estimated combined inflow to the River Murray System (including inflows to Menindee Lakes, but excluding release from the Snowy Scheme) for June 2003 is near the 89% exceedance level – this is very low compared with the records, and at a level which is exceeded about 9 years in 10 over the long term.

Total active Commission storage increased by 54 GL to 1 738 GL (or 21% of capacity). This is well below the long term average of about 55% of capacity for end of June (assuming current level of development in the system).

Mid Murray Operation

Inflows to the Murray from the Kiewa and Ovens Rivers have been sustained by the rainfall mid week, and flows are currently 1 400 and 2000 ML/day respectively and slowly receding. In conjunction with minimum release from Hume Reservoir, this has led to release from Yarrowonga Weir being maintained at about 4 000 ML/day in the latter part of the week.

While inflow from the Goulburn River to the Murray remains low at about 450 ML/day, flow further downstream at Torrumbarry Weir has increased from 2 700 to 3 400 ML/day in response to upstream rises, and further minor rises downstream of Torrumbarry Weir are expected next week. As a result, the River Murray level at Swan Hill (currently 0.79 m) is forecast to rise to about 0.9 m (0.3 m above the target minimum of 0.6 m) by early July and then slowly recede without further rain.

Flow downstream of Mildura Weir has receded to about 2500 ML/day in recent weeks, but is forecast to rise to about 4 000 ML/day by early-mid July before slowly receding without further rain. Whilst storage in Lake Victoria this week decreased by 6 GL, in coming months any Murray flow in excess of the designated flow for South Australia will continue to be stored in Lake Victoria to conserve resources.

River Salinity

River salinities in Sunraysia are steady with levels currently between 180 and 200 EC. Salinities in South Australia are generally rising very slowly in response to the lower flows this time of year with EC readings at Morgan now about 510 EC compared to 450 EC at the beginning of June.

DAVID DOLE
General Manager

Week ending Wednesday 25 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	429.18	1 170	30%	80	1 090	+7
Hume Reservoir	192.00	3 038	173.22	495	16%	30	465	+52
Lake Victoria	27.00	680	23.21	283	42%	100	183	-6
Menindee Lakes		1 682 *		71	4%	640 #	0	+1
Total		9 306		2 019	22%	850	1 738	+54

* Menindee surcharge capacity 1999 GL

? of Total Active MDBC Storage = **21%**

NSW Menindee Lakes Reserve

Major State Storages

? Unfortunately there was an error in Eildon Reservoir Storage last week. Storage on 18 June 2003 was quoted as 696 GL(21%) but was actually 342GL or 10% of capacity.

Burrinjuck Reservoir	1 026		68	7%	3	65	+3
Blowering Reservoir	1 631		169	10%	24	145	+45
Eildon Reservoir	3 390		362 [?]	11%	100	262	+20

Snowy Mountains Scheme

Snowy diversions for week ending 24-Jun-2003

Storage	Active storage (GL)	Weekly change (GL)	Diversions	This week	From 1 May 2003
Lake Eucumbene - Total	1 767	-56	Snowy-Murray	+38	228
Snowy-Murray Component	752	-	Tooma-Tumut	+1	19
Target Storage	1 240		Nett Diversion	36.5	209
			Murray 1 Release	+42	250

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	0.1	55.4
Western Murray Irrig.	0.2	29.9
Licensed Pumps	1.2	207.7
Lower Darling	0.1	124.5
TOTAL	1.6	941.5

Victoria	This week	From 1 July 2002
Yarrowonga Main Channel (net)	.0	483
Torrumbarry System + Nyah (net)	0.0	821
Sunraysia Pumped Districts	3.1	161
Licensed pumps - GMW (Nyah+u/s)	0.0	78
Licensed pumps - SRW	1.8	197
TOTAL	4.9	1 739

Flow to South Australia (GL)

Entitlement this month	90	
Flow this week	17.1	(2 400 ML/day)
Flow so far this month	60	
Flow last month	93	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2002
Swan Hill	170	170	90
Euston	160	150	120
Red Cliffs	160	150	140
Merbein	150	160	160
Burtundy (Darling)	1 460	1 450	1 210
Lock 9	360	440	180
Lake Victoria	260	260	290
Berri	360	350	330
Waikerie	-	480	410
Morgan	510	520	470
Mannum	440	440	540
Murray Bridge	520	520	610
Milang (Lake Alex.)	1 010	1 100	1 150
Poltalloch (Lake Alex.)	1 080	1 230	1 150
Meningie (Lake Alb.)	1 450	1 530	1 620
Goolwa Barrages	4 750	4 810	3 380



Week ending Wednesday 25 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	-	-	-	6 830	F	6 520	4 410
Jingellic	4.0	2.07	208.59	8 110	F	7 820	5 560
Tallandoon (Mitta Mitta River)	4.2	1.27	218.16	490	F	520	550
Heywoods	5.5	1.15	154.78	600	S	600	760
Doctors Point	5.5	1.66	150.13	1 790	R	1 580	1 600
Albury	4.3	0.77	148.21	-	-	-	-
Corowa	7.0	0.63	126.65	1 380	F	1 540	1 380
Yarrawonga Weir (d/s)	6.4	0.80	115.84	4 020	S	3 940	2 950
Tocumwal	6.4	1.21	105.05	3 740	R	3 700	2 570
Torrumbarry Weir (d/s)	7.3	1.30	79.85	3 280	F	3 090	2 540
Swan Hill	4.5	0.79	63.71	2 990	R	2 710	2 520
Wakool Junction	8.8	1.82	50.94	3 470	R	3 370	3 470
Euston Weir (d/s)	8.8	0.80	42.64	3 390	R	3 310	3 860
Mildura Weir (d/s)	-	-	30.80	2 820	F	3 110	4 210
Wentworth Weir (d/s)	7.3	2.73	27.49	1 900	R	2 510	3 640
Rufus Junction	-	2.72	19.65	2 180	S	2 190	2 060
Blanchetown (Lock 1 d/s)	-	-	-	1 880	S	1 620	1 360
Tributaries							
Kiewa at Bandiana	2.7	1.49	154.72	1 380	F	1 230	1 000
Ovens at Wangaratta	11.9	8.47	146.15	2 025	F	1 910	1 730
Goulburn at McCoys Bridge	9.0	1.21	92.63	463	R	450	430
Edward at Stevens Weir (d/s)	-	-	-	450	F	300	180
Edward at Liewah	-	0.94	56.32	460	F	520	540
Wakool at Stoney Crossing	-	0.22	54.71	85	F	130	190
Murrumbidgee at Balranald	5.0	0.52	56.48	210	F	200	230
Barwon at Mungindi	-	3.22	-	90	S	90	90
Darling at Bourke	-	4.07	-	380	S	410	450
Darling at Burtundy Rocks	-	0.63	-	7	F	20	20

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	3 310	5 010
---------------------------------------------------------------------------	-------	-------

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	-0.18	-	No. 7 Rufus River	22.10	+0.02	+0.41
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	-0.02	-0.04
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.02	+0.08
No. 11 Mildura	34.40	+0.02	+0.00	No. 4 Bookpurnong	13.20	+0.05	+0.25
No. 10 Wentworth	30.80	+0.01	+0.09	No.3 Overland Corner	9.80	+0.05	+0.10
No. 9 Kulnine	27.40	-0.02	-0.04	No. 2 Waikerie	6.10	+0.02	+0.08
No. 8 Wangumma	24.60	-0.01	+0.01	No 1. Blanchetown	3.20	+0.06	-0.29

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.30	0.93	70.28	702
No. 5 Redbank	66.90	-0.81	0.16	61.46	278

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.66	All closed
Mundoo	26 openings	0.62	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.64	All closed

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

