

REPORT FOR THE WEEK ENDING

Wednesday, 25 July 2007

Our Ref : M2006/01015/SZ, AG, PCB
Trim Ref : 07/9609

27 July, 2007



Rainfall and inflows

It was dry across the Basin for most of this week (*see map*). However it began raining in northern Victoria and Southern NSW on Thursday 26th with between 5 and 20 mm of rain falling across the upper catchment. This rain has provided small increases in flow rates overnight. For example, flow in the Mitta Mitta River upstream of Dartmouth Reservoir increased from 600 to 1 200 ML/day and the Ovens River at Rocky Point has increased overnight from 1 500 to 2 000 ML/day. Further rain is forecast this weekend, which may extend the duration of this small increase in flows.

Total MDBC Active Storage increased this week by 81 GL to 1 286 GL (15% capacity). There was a 10 GL improvement at Dartmouth Reservoir, a 46 GL improvement at Hume Reservoir and an additional 26 GL in Lake Victoria. Minimum releases continue from all storages in order to maximise water availability for the coming season.

Elsewhere in the Basin, Burrinjuck Reservoir (Murrumbidgee River) has now reached 40% capacity and Eildon Reservoir (Goulburn River) has gradually increased to 17% capacity. Flow in the Darling River at Brewarrina increased during the week from 150 to 1 000 ML/day, however the total volume of water is relatively small (about 10 GL) and it is not expected to reach Menindee Lakes.

River Operations

Release from Yarrawonga Weir has been reduced from 8 000 to 4 500 ML/day and is expected to continue at about this flow rate over the coming week. The release will be increased however if there is significant rain and runoff in the Ovens and Kiewa Catchments.

The peak flow originating from the rain in late June and early July passed through Euston Weir this week at 9 500 ML/day and the peak flow is expected at Wentworth Weir early next week. As much water as possible from this higher flow is being diverted into Lake Victoria for use later in the season. Water levels in the Locks and Weirs throughout Sunraysia may need to be raised slightly for a short period to assist this operation due to the limited inlet capacity at Lake Victoria. It is expected that the water level of Locks 10 and 11 will need to be raised by up to 10 cm above their Full Supply Levels and that Locks 8 and 9 may need to be raised by up to 30 and 20 cm above their respective Full Supply Levels. The storage volume of Lake Victoria has increased to 342 GL (51% capacity) and is expected to be about 450 GL (67% capacity) by mid August.

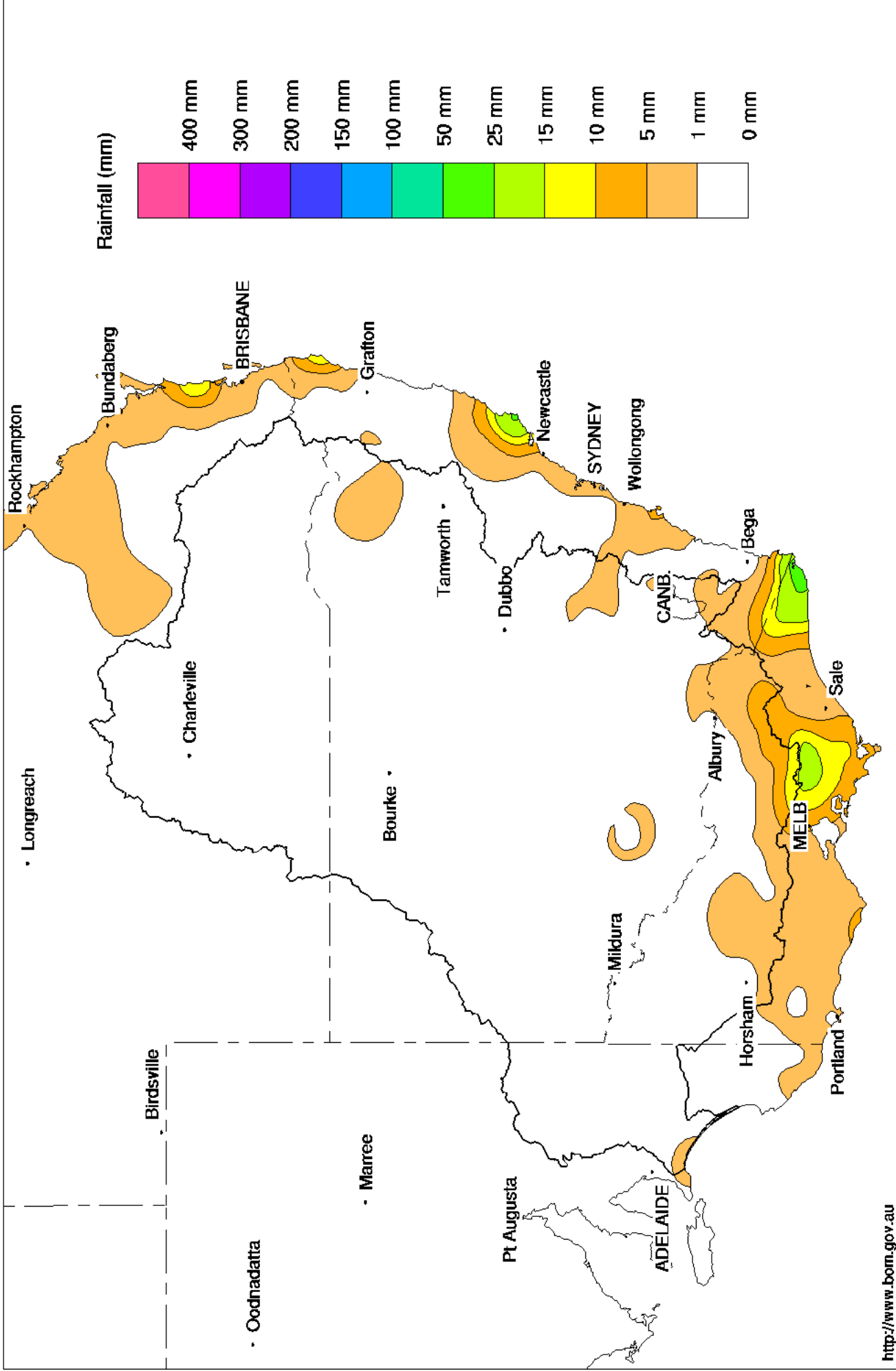
River Salinity

During July the river salinity at Wentworth decreased from 170 to 140 EC (20 year average of 280 EC) due to the recent higher flows in this reach of the river. However in South Australia, river salinities continue to gradually increase as a result of the low flow and river levels. At Lock 6, the salinity level has increased over July from 230 to 300 EC, while at Morgan it has increased from 530 to 600 EC, which is above the 20 year average of 520 EC.

DAVID DREVERMAN
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 25th July 2007

Product of the National Climate Centre



Week ending Wednesday 25 Jul 2007

Water in Storage

MDBC Storages	Full Supply Level (m AHD)	Full Supply Volume (GL)	Current Storage Level (m AHD)	Current Storage		Dead Storage (GL)	MDBC Active Storage (GL)	Change in Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	405.36	563	14%	80	483	+10
Hume Reservoir	192.00	3 038	174.38	591	19%	30	561	+46
Lake Victoria	27.00	677	23.98	342	51%	100	242	+26
Menindee Lakes		1 731 *		90	5%	(- -) #	0	-1
Total		9 352		1 586	17%	--	1 286	+81

* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = **15%**

NSW takes control of Menindee Lakes when storage falls below 480 GL, and

control reverts to MDBC when storage next reaches 640 GL

Major State Storages

Burrinjuck Reservoir	1 026	414	40%	3	411	+7
Blowering Reservoir	1 631	434	27%	24	410	+15
Eildon Reservoir	3 390	562	17%	100	462	+25

Snowy Mountains Scheme

Snowy diversions for week ending 24-Jul-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	79	-1	Snowy-Murray	+18	228
Snowy-Murray Component	117	-6	Tooma-Tumut	+3	34
Target Storage	1 170		Nett Diversion	14.7	194
			Murray 1 Release	+20	280

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2007
Murray Irrig. Ltd (Net)	.0	.0
Wakool System loss	0.1	.7
Western Murray Irrig.	0.1	.1
Licensed Pumps	0.5	1.7
Lower Darling	0.0	.1
TOTAL	0.8	2.6

Victoria	This week	From 1 July 2007
Yarrawonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	0.0	
Sunraysia Pumped Districts	0.2	
Licensed pumps - GMW (Nyah+u/s)	0.0	2
Licensed pumps - LMW	0.5	2
TOTAL	0.7	4

Flow to South Australia (GL)

Entitlement this month	109 *	(1 200 ML/day)
Flow this week	8.2	
Flow so far this month	29	
Flow last month	29	

* Reduced to approx. 36 GL during July drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2006
Swan Hill	70	70	70
Euston	90	100	100
Red Cliffs	-	-	120
Merbein	120	140	120
Burtundy (Darling)	1 090	1 080	930
Lock 9	170	180	130
Lake Victoria	180	190	170
Berri	500	450	280
Waikerie	610	610	360
Morgan	610	590	390
Mannum	450	460	440
Murray Bridge	500	500	450
Milang (Lake Alex.)	1 670	1 660	1 390
Poltalloch (Lake Alex.)	2 040	2 080	1 290
Meningie (Lake Alb.)	2 480	2 510	2 370
Goolwa Barrages	11 850	14 440	6 250



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	-	-	-	2 150	S	3 430	3 810
Jingellic	4.0	1.54	208.06	3 480	F	5 450	5 650
Tallandoon (Mitta Mitta River)	4.2	1.33	218.22	490	F	540	620
Heywoods	5.5	1.06	154.69	460	R	430	430
Doctors Point	5.5	1.43	149.90	1 020	R	1 290	1 890
Albury	4.3	0.61	148.05	-	-	-	-
Corowa	7.0	0.45	126.47	1 220	F	1 600	2 070
Yarrowonga Weir (d/s)	6.4	1.00	116.04	5 000	S	6 150	9 750
Tocumwal	6.4	1.56	105.40	5 710	F	7 140	9 850
Torrumbarry Weir (d/s)	7.3	2.20	80.75	6 450	F	7 720	8 380
Swan Hill	4.5	1.51	64.43	7 630	F	8 180	6 040
Wakool Junction	8.8	3.28	52.40	9 370	S	8 860	5 620
Euston Weir (d/s)	8.8	1.77	43.61	9 350	R	8 370	5 030
Mildura Weir (d/s)	-	-	-	8 480	F	6 440	3 520
Wentworth Weir (d/s)	7.3	3.07	27.83	7 780	R	5 860	3 310
Rufus Junction	-	2.43	19.36	700	F	710	660
Blanchetown (Lock 1 d/s)	-	0.14	-	710	F	680	980
Tributaries							
Kiewa at Bandiana	2.7	1.27	154.50	982	R	1 210	1 800
Ovens at Wangaratta	11.9	8.53	146.21	2 305	F	2 760	4 290
Goulburn at McCoys Bridge	9.0	1.23	92.65	504	F	510	1 190
Edward at Stevens Weir (d/s)	-	1.80	81.57	1 730	F	1 800	1 680
Edward at Liewah	-	2.11	57.49	1 450	R	1 030	590
Wakool at Stoney Crossing	-	0.21	54.70	110	S	100	110
Murrumbidgee at Balranald	5.0	0.51	56.47	219	S	220	230
Barwon at Mungindi	-	3.39	-	426	F	530	1 040
Darling at Bourke	-	4.05	-	191	S	150	170
Darling at Burtundy Rocks	-	0.62	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	5 450	6 840
---	-------	-------

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	-0.33	-	No. 7 Rufus River	22.10	-0.07	+0.10
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.04	-0.02
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.05	+0.04
No. 11 Mildura	34.40	+0.03	+0.26	No. 4 Bookpurnong	13.20	+0.02	+0.12
No. 10 Wentworth	30.80	+0.01	+0.43	No.3 Overland Corner	9.80	+0.02	+0.17
No. 9 Kulnine	27.40	+0.13	+0.04	No. 2 Waikerie	6.10	+0.10	+0.07
No. 8 Wangumma	24.60	+0.08	-0.07	No 1. Blanchetown	3.20	+0.08	-0.61

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.05	1.09	70.44	972
No. 5 Redbank	66.90	-2.49	0.17	61.47	287



Lower Lakes

FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days	(m AHD)
	0.22

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.28	All closed	-	Closed
Mundoo	26 openings	0.29	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwitchere	322 gates	0.33	All closed	Closed	Closed

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