

REPORT FOR THE WEEK ENDING

Wednesday, 22 August 2007

*Our Ref : M2006/01015/AS, KS
Trim Ref : 07/11028*

24 August, 2007



Rainfall and Inflows

Over the past week there has been heavy rainfall along the eastern coastline, stretching from Sydney to north of Brisbane. Some locations on the mid-north coast of NSW received more than 300 mm of rain. Within the northern half of the Murray-Darling Basin, extensive areas received up to 50 mm, and some highland areas received up to 100 mm during the past week (see Map 1). In northern NSW, the upper reaches of the Severn River, Gwydir River and Namoi River showed small responses in flow. Most of this water will be captured in NSW water storages.

In contrast, the southern half of the Basin only recorded light falls of rain and the month to date rainfall for August is currently well below average, particularly for highland areas (see Map 2). Although there was only a small amount of rain, the weekly inflow to the Murray System has remained steady at 90 GL, and the August inflow to date is 290 GL.

River Operations

Storage in Dartmouth Reservoir (16% capacity) and Hume Reservoir (24% capacity) continue to slowly rise but are well below their long term averages of 71% and 68% capacity respectively for the end of August. Minimum releases from the dams are being maintained to conserve water resources.

During the past week Lake Mulwala has been held at 124.40 m (AHD) and the release from Yarrowonga Weir has been reduced from 5 500 to 4 500 ML/day. Torrumbarry Weir is being held at 85.95 m (AHD) which is 10 cm below its full supply level (FSL), and Euston Weir is also being partially lowered to reduce evaporation losses.

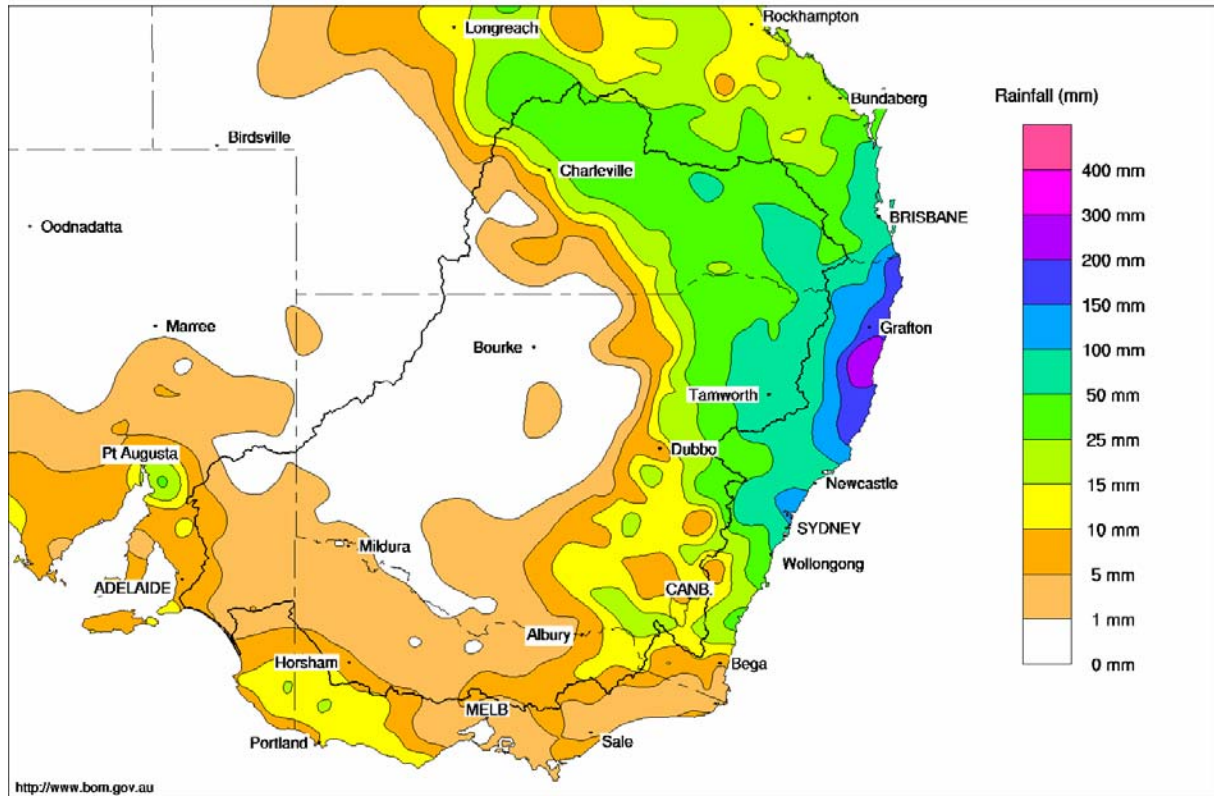
On the Edward River, the partial filling of Stevens Weir continued this week in preparation for delivering stock and domestic water into the Wakool Irrigation District.

As a result of the recent dry weather, diversions have commenced along the National Channel at Torrumbarry Weir and Yarrowonga Main Channel at Yarrowonga Weir. To date, no diversions into the NSW major offtakes have commenced.

Storage in Lake Victoria rose a further 5% during the past week and is now at 74% capacity. As part of the drought contingency planning, the target flow to South Australia is currently about 1 120 ML/day, which is well below the normal entitlement flow for August of 4 000 ML/day. As a result of these low flows, salinity levels along the river in South Australia continue to gradually increase. Over the last two weeks the salinity at Morgan has increased from 643 to 686 EC. The water in the longer and deeper pool between Lock 1 and the Lower Lakes typically has lower salinity with current readings of 446 EC at Mannum and 538 EC at Murray Bridge, the locations of major pumping stations supplying Adelaide.

DAVID DREVERMAN
General Manager

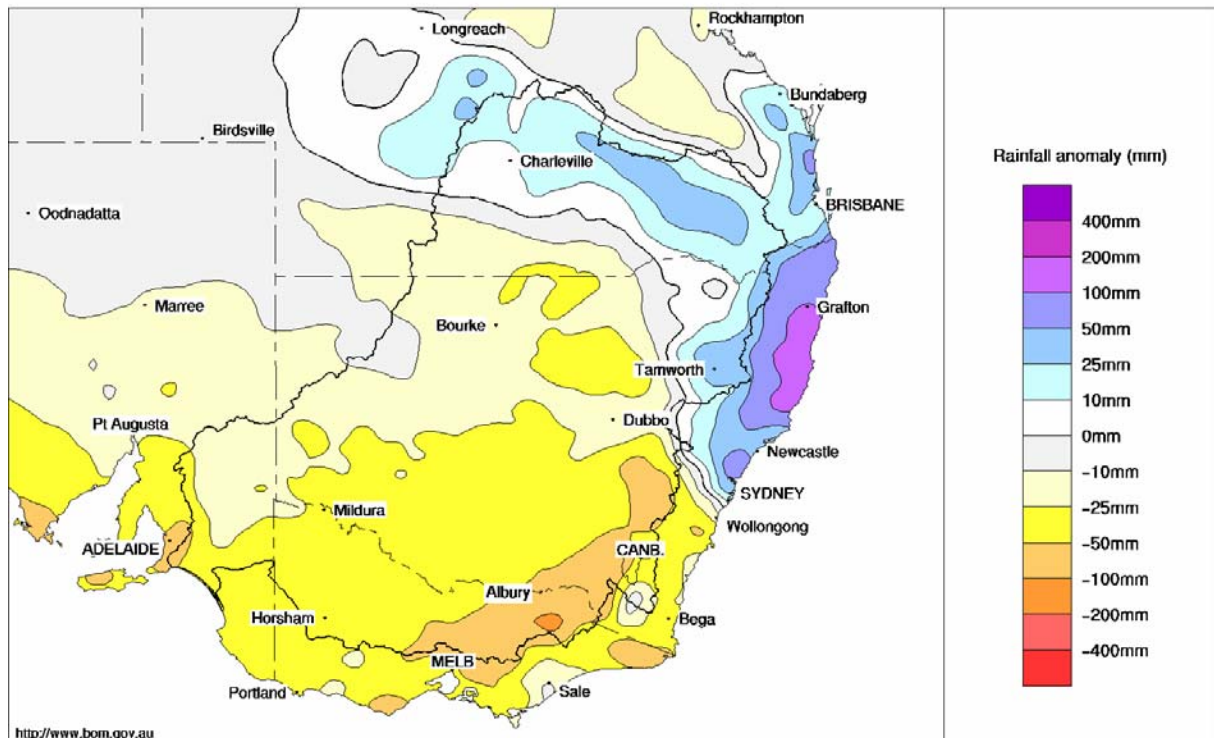
Murray Darling Rainfall Analysis (mm) Week Ending 22nd August 2007
 Product of the National Climate Centre



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Rainfall Anomalies - Month To Date 1st to 23rd August 2007
 Product of the National Climate Centre



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Week ending Wednesday 22 Aug 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	408.26	622	16%	80	542	+16
Hume Reservoir	192.00	3 038	175.98	734	24%	30	704	+44
Lake Victoria	27.00	677	25.46	498	74%	100	398	+29
Menindee Lakes		1 731 *		74	4%	(- -) #	0	-2
Total		9 352		1 928	21%	--	1 644	+87

* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = **19%**

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	433	42%	3	430	+2
Blowering Reservoir	1 631	486	30%	24	462	+11
Eildon Reservoir	3 390	721	21%	100	621	+35

Snowy Mountains Scheme

Snowy diversions for week ending 21-Aug-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	261	+52	Snowy-Murray	+0	236
Snowy-Murray Component	166	+17	Tooma-Tumut	+10	74
Target Storage	1 190		Nett Diversion	-10.1	162
			Murray 1 Release	+13	324

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	0.0	1.4
Western Murray Irrig.	0.1	.3
Licensed Pumps	0.7	3.8
Lower Darling	0.0	.2
TOTAL	0.7	5.7

Victoria	This week	From 1 July 2007
Yarrawonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	0.0	
Sunraysia Pumped Districts	0.3	1
Licensed pumps - GMW (Nyah+u/s)	0.0	2
Licensed pumps - LMW	0.5	4
TOTAL	0.8	7

Flow to South Australia (GL)

Entitlement this month	124 *	(1 200 ML/day)
Flow this week	8.1	
Flow so far this month	28	
Flow last month	37	

* Reduced to approx. 35 GL during August drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2007
Swan Hill	90	90	90
Euston	90	100	100
Red Cliffs	-	-	-
Merbein	120	120	110
Burtundy (Darling)	1 070	1 070	1 070
Lock 9	120	130	140
Lake Victoria	180	180	190
Berri	470	500	470
Waikerie	640	630	630
Morgan	680	680	650
Mannum	450	440	440
Murray Bridge	540	530	520
Milang (Lake Alex.)	2 020	2 000	2 010
Poltalloch (Lake Alex.)	2 600	2 510	2 000
Meningie (Lake Alb.)	2 620	2 530	2 490
Goolwa Barrages	12 930	15 060	15 910



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	-	-	-	1 660	F	2 570	2 670
Jingellic	4.0	1.61	208.13	4 000	F	5 060	4 320
Tallandoon (Mitta Mitta River)	4.2	1.40	218.29	610	S	640	730
Heywoods	5.5	1.07	154.70	460	S	460	460
Doctors Point	5.5	1.58	150.05	1 600	R	1 720	1 920
Albury	4.3	0.71	148.15	-	-	-	-
Corowa	7.0	0.61	126.63	1 600	F	1 850	1 510
Yarrowonga Weir (d/s)	6.4	0.99	116.03	4 950	S	5 360	5 070
Tocumwal	6.4	1.52	105.36	5 490	F	5 750	5 410
Torrumbarry Weir (d/s)	7.3	1.74	80.29	4 820	F	4 730	4 910
Swan Hill	4.5	1.02	63.94	4 620	S	4 720	4 920
Wakool Junction	8.8	2.46	51.58	5 960	F	6 180	6 240
Euston Weir (d/s)	8.8	1.34	43.18	6 640	R	6 720	6 670
Mildura Weir (d/s)	-	-	-	6 210	F	6 250	6 650
Wentworth Weir (d/s)	7.3	2.99	27.75	5 780	S	5 760	6 230
Rufus Junction	-	2.41	19.34	660	R	630	650
Blanchetown (Lock 1 d/s)	-	0.20	-	600	S	650	1 110
Tributaries							
Kiewa at Bandiana	2.7	1.53	154.76	1 401	R	1 520	1 680
Ovens at Wangaratta	11.9	8.71	146.39	2 834	F	3 320	4 010
Goulburn at McCoys Bridge	9.0	1.15	92.57	369	F	410	470
Edward at Stevens Weir (d/s)	-	1.02	80.79	760	S	810	1 120
Edward at Liewah	-	1.85	57.23	1 180	R	1 160	1 240
Wakool at Stoney Crossing	-	0.21	54.70	110	F	120	150
Murrumbidgee at Balranald	5.0	0.72	56.68	334	F	350	300
Barwon at Mungindi	-	3.19	-	33	S	40	130
Darling at Bourke	-	4.09	-	329	S	380	480
Darling at Burtundy Rocks	-	0.53	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	9 870	9 390
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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	-0.49	-	No. 7 Rufus River	22.10	-0.08	+0.08
No 26 Torrumbarry	86.05	-0.10	-	No. 6 Murtho	19.25	-0.07	-0.05
No. 15 Euston	47.60	-0.19	-	No. 5 Renmark	16.30	+0.02	+0.02
No. 11 Mildura	34.40	+0.04	+0.18	No. 4 Bookpurnong	13.20	+0.01	+0.09
No. 10 Wentworth	30.80	+0.04	+0.35	No.3 Overland Corner	9.80	+0.00	+0.15
No. 9 Kulnine	27.40	+0.06	-0.02	No. 2 Waikerie	6.10	+0.11	+0.07
No. 8 Wangumma	24.60	+0.00	-0.08	No 1. Blanchetown	3.20	+0.06	-0.55

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.54	0.75	70.1	457
No. 5 Redbank	66.90	+0.04	0.26	61.56	373



Lower Lakes

FSL = 0.75 m AHD

Lake Alexandrina average level for the past 5 days	(m AHD)
	0.24

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.24	All closed	-	Closed
Mundoo	26 openings	0.28	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.26	All closed	Closed	Closed

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