

REPORT FOR THE WEEK ENDING

Wednesday, 14 February 2007



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16 February, 2007

M2006/01015

Rain but little runoff

Some good falls of rain occurred across the north east of the Murray-Darling Basin this week, but falls were generally lighter in the upper Murray (*see rainfall map*). Almost no additional streamflow was measured from the rain in the upper Murray tributaries. Despite falls of up to 40 mm upstream of Dartmouth Reservoir, inflows increased by only about 200 ML/day for a short period. This demonstrates the dry state of these catchments and shows that sustained heavy falls will be required over coming months in order to generate good inflows.

River Murray Operations

Release from Dartmouth Dam was reduced this week to about 9 700 ML/day – the first time that release has been below channel capacity rates in over 5 months. It is expected that further gradual reductions in release will be made over coming weeks. Storage in Dartmouth Reservoir has now fallen to 760 GL (19% of capacity) – the lowest since 1983 when it fell to 410 GL (10% of capacity).

Release from Hume Dam was reduced from about 13 000 to 11 000 ML/day and is expected to be further reduced over coming weeks in response to reducing irrigation demands, losses and deliveries to South Australia. Short term rises in release may be observed with hot spells or high demand periods however the general trend from now until the end of the irrigation season is likely to be continued gradual reductions. Storage in Hume is currently 75GL (2% of capacity) and the rate of fall slowed over the last week.

Release from Yarrawonga Weir has been reduced to 7 700 ML/day and further gradual reductions can be expected over the coming week. On the Edward River, release from Stevens Weir has been reduced to about 1 300 ML/day and is expected to be gradually reduced to about 600 ML/day next week. Flow passing to the Edward River via the Edward and Gulpa offtakes currently totals 1 000 ML/day and will be reduced next week to about 400 ML/day.

Release from Euston Weir is currently about 5 500 ML/day and is expected to gradually fall towards 4 000 ML/day by the end of February.

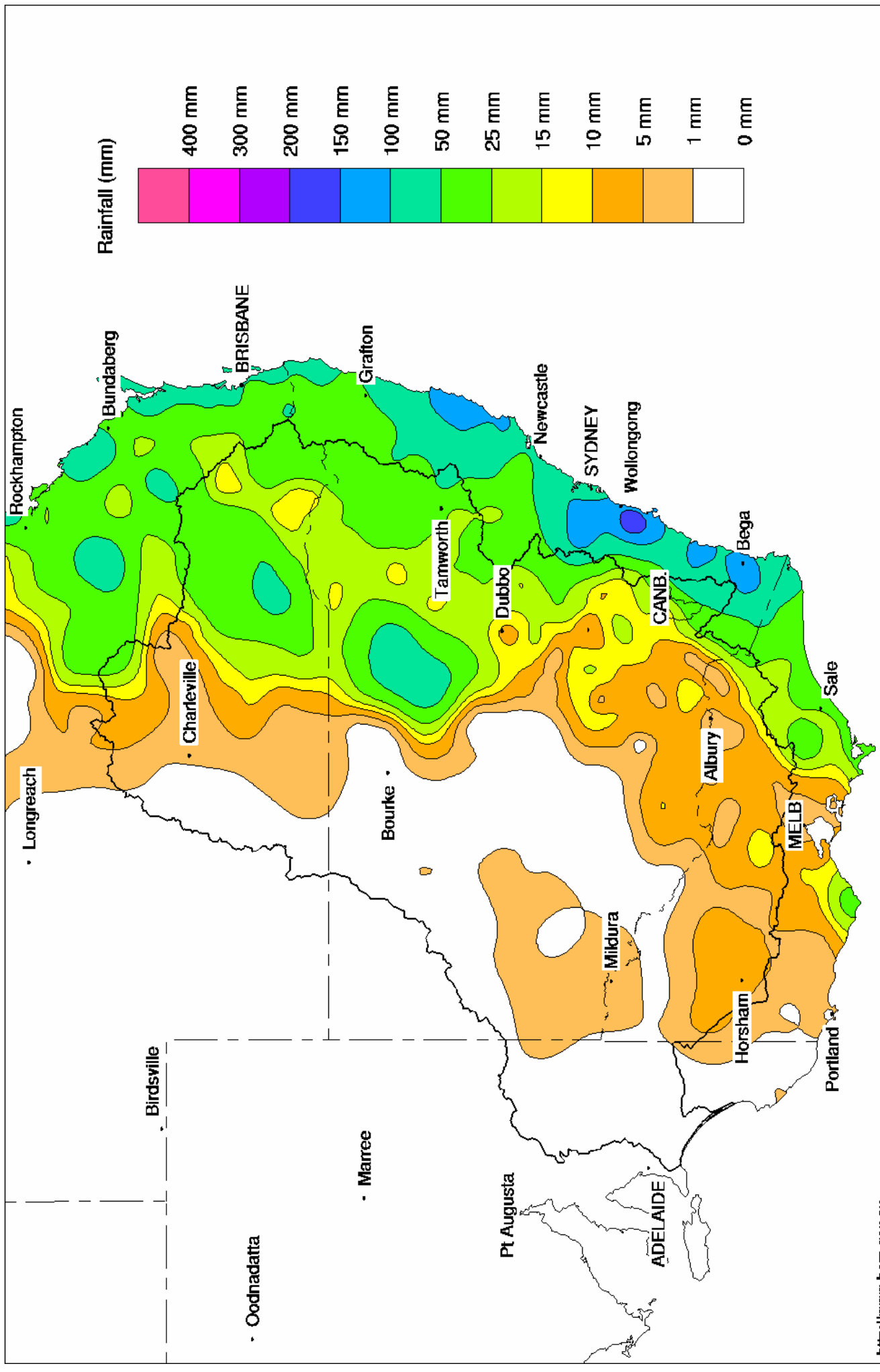
Flows to South Australia

Flow to South Australia remains at an average of about 7 000 ML/day to assist in maintaining the level of the Lower Lakes which is now about 0.34 m and falling slowly. It is expected that flow to South Australia will be maintained at about this rate until late in February before being gradually reduced over the first two weeks of March to about 2 500 ML/day. Further updates on expected flow rates will be provided in coming weeks.

DAVID DREVERMAN
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 14th February 2007

Product of the National Climate Centre



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	414.39	761	19%	80	681	-66
Hume Reservoir	192.00	3 038	164.90	75	2%	30	45	-9
Lake Victoria	27.00	677	23.72	316	47%	100	216	-40
Menindee Lakes		1 731 *		153	9%	(- -) #	0	-6
Total		9 352		1 305	14%	--	942	-121

* Menindee surcharge capacity 2050 GL

% of Total Active MDBC Storage = 11%

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		273	27%	3	270	-4
Blowering Reservoir	1 631		188	12%	24	164	-25
Eildon Reservoir	3 390		308	9%	100	208	-11

Snowy Mountains Scheme

Snowy diversions for week ending 13-Feb-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversions (GL)	This week	From 1 May 2006
Lake Eucumbene - Total	501	-12	Snowy-Murray	+5	739
Snowy-Murray Component	327	-5	Tooma-Tumut	+0	56
Target Storage	1 460		Nett Diversion	5.0	683
			Murray 1 Release	+4	847

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2006
Murray Irrig. Ltd (Net)	4.1	296.7
Wakool System loss	1.9	47.0
Western Murray Irrig.	0.8	18.1
Licensed Pumps	3.5	140.7
Lower Darling	0.3	17.6
TOTAL	10.6	520.1

Victoria	This week	From 1 July 2006
Yarrawonga Main Channel (net)	8.8	294
Torrumbarry System + Nyah (net)	10.2	498
Sunraysia Pumped Districts	4.2	112
Licensed pumps - GMW (Nyah+u/s)	0.9	148
Licensed pumps - LMW	8.6	148
TOTAL	32.8	1 199

Flow to South Australia (GL)

Entitlement this month	194	
Flow this week	48.5	(6 900 ML/day)
Flow so far this month	97	
Flow last month	181	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2006
Swan Hill	80	70	70
Euston	100	90	90
Red Cliffs	120	110	110
Merbein	100	90	100
Burtundy (Darling)	1 020	1 020	790
Lock 9	110	110	120
Lake Victoria	170	170	160
Berri	220	230	230
Waikerie	280	280	340
Morgan	310	320	370
Mannum	420	420	450
Murray Bridge	440	420	430
Milang (Lake Alex.)	1 440	1 430	1 230
Poltalloch (Lake Alex.)	1 430	1 330	1 050
Meningie (Lake Alb.)	2 630	2 590	2 280
Goolwa Barrages	3 960	4 080	2 290



River Levels and Flows

	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)				
River Murray							
Khancoban	-	-	-	710	R	450	1 570
Jingellic	4.0	1.01	207.53	440	S	470	1 800
Tallandoon (Mitta Mitta River)	4.2	3.26	220.15	9 820	F	9 990	10 030
Heywoods	5.5	2.57	156.20	10 640	F	11 200	12 940
Doctors Point	5.5	2.67	151.14	11 000	S	11 400	12 890
Albury	4.3	1.65	149.09	-	-	-	-
Corowa	7.0	2.41	128.43	10 700	F	11 600	12 430
Yarrowonga Weir (d/s)	6.4	1.40	116.44	7 700	F	8 010	8 440
Tocumwal	6.4	1.91	105.75	7 650	F	7 770	7 990
Torrumbarry Weir (d/s)	7.3	1.80	80.35	5 020	R	5 020	4 780
Swan Hill	4.5	1.02	63.94	4 440	F	4 460	3 650
Wakool Junction	8.8	2.47	51.59	5 750	S	5 590	5 280
Euston Weir (d/s)	8.8	1.20	43.04	5 550	F	5 190	5 690
Mildura Weir (d/s)	-	-	-	3 950	F	3 740	4 980
Wentworth Weir (d/s)	7.3	2.90	27.66	3 450	R	3 310	4 390
Rufus Junction	-	3.46	20.39	6 510	R	6 380	6 250
Blanchetown (Lock 1 d/s)	-	0.49	-	3 870	F	3 690	4 430
Tributaries							
Kiewa at Bandiana	2.7	0.43	153.66	- 10	F	20	60
Ovens at Wangaratta	11.9	7.42	145.10	33	F	40	20
Goulburn at McCoys Bridge	9.0	1.15	92.57	385	R	350	320
Edward at Stevens Weir (d/s)	-	1.43	81.20	1 260	F	1 330	1 340
Edward at Liewah	-	2.02	57.40	1 350	S	1 410	1 600
Wakool at Stoney Crossing	-	0.38	54.87	316	S	330	510
Murrumbidgee at Balranald	5.0	0.50	56.46	214	F	390	830
Barwon at Mungindi	-	3.19	-	33	F	50	30
Darling at Bourke	-	3.22	-	-	F	-	-
Darling at Burtundy Rocks	-	0.71	-	63	R	60	80

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	540	- 160
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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	-0.06	-	No. 7 Rufus River	22.10	+0.15	+1.15
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.01	+0.14
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.01	+0.20
No. 11 Mildura	34.40	+0.06	+0.08	No. 4 Bookpurnong	13.20	+0.02	+0.67
No. 10 Wentworth	30.80	+0.04	+0.26	No.3 Overland Corner	9.80	+0.01	+0.22
No. 9 Kulnine	27.40	+0.09	+0.02	No. 2 Waikerie	6.10	+0.06	+0.15
No. 8 Wangumma	24.60	+0.04	+0.18	No 1. Blanchetown	3.20	+0.03	-0.26

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	0.68	70.03	377
No. 5 Redbank	66.90	-1.90	0.18	61.48	296



Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.35

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.31	All closed	-	Open
Mundoo	26 openings	0.37	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwitchere	322 gates	0.30	All closed	Closed	Open

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