

REPORT FOR THE WEEK ENDING

Wednesday, 28 November 2007

*Our Ref : M2006/01015/PRS, AS
Trim Ref : 07/15055*

30 November, 2007



Rainfall and Inflows

Thunderstorm activity has resulted in good falls of rain across most of the Murray-Darling Basin, particularly in southern Queensland and New South Wales (see Map). In Queensland, some towns in the upper catchments of the Warrego and Paroo Rivers have received up to 150 mm of rain during the past week and, according to the Bureau of Meteorology, has resulted in some localised minor and moderate flooding. Good falls of rain have also been recorded across the central and south-west slopes of NSW, with Burrinjuck Dam receiving 85mm, Condobolin 86 mm and Narrandera 66 mm. In contrast, western Victoria and South Australia only received up to 10 mm.

Although inflow to the River Murray has only showed a small response, each rain event helps maintain streamflows above the record low levels experienced last year (see attached graph of Daily Inflows). The Bureau of Meteorology has forecast continuing thunderstorm activity across much of the Basin over the coming week.

River Operations

During the last two weeks, water has been transferred from Dartmouth Reservoir to Hume Reservoir, and after reaching a peak flow of 5 000 ML/day, the release from Dartmouth Reservoir is now being steadily reduced and is expected to be less than 3 000 ML/day by late next week. The pattern and volume of future releases will depend on continual reassessment of system inflows, storage levels and water requirements along the River Murray. During the week Dartmouth storage decreased 24 GL to a total of 683 GL (17.5 % capacity) while Hume Reservoir decreased by 9 GL to a total of 775 GL (25.5 % capacity).

Following the recent announcement by the New South Wales Government, water is now being diverted into the Wakool River and Merran Creek to provide water for essential stock and domestic purposes and to benefit the environment.

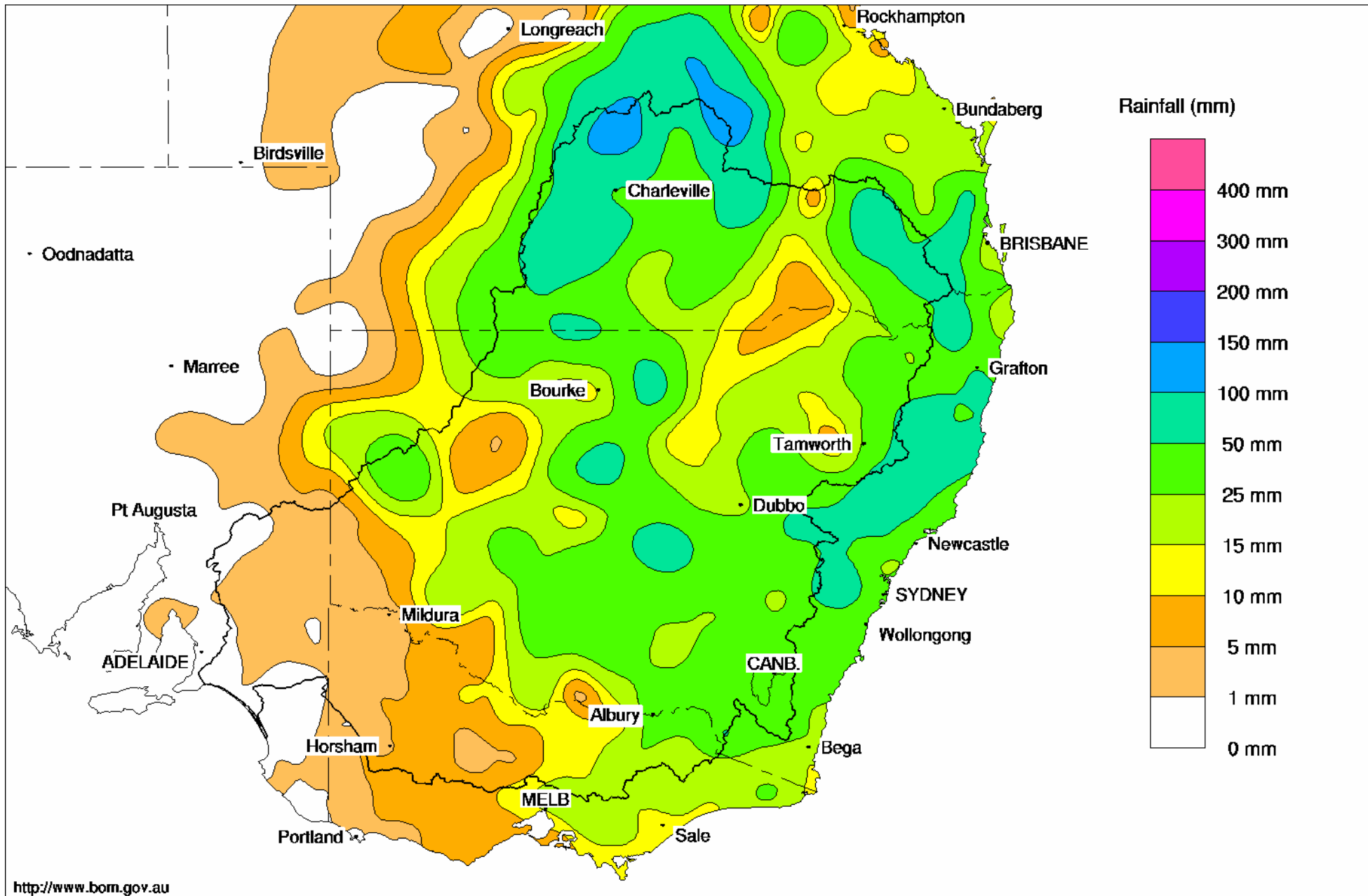
At Torrumbarry Weir, the pool level has been steady at 85.91 m AHD (14 cm below Full Supply Level) and during the past week the release has increased slightly from 5 300 to 5 800 ML/day. At Euston Weir, the pool level is currently at 47.04 m AHD (56 cm below FSL) and is being gradually lowered by about 5 cm/week to reach a target of 46.90 m AHD (70 cm below Full Supply Level) by 21st December.

In South Australia, the upstream pool levels of Locks 1 to 6 are all close to, or above, Full Supply Level. The water level in the Lower Lakes is gradually falling, and is currently at 0.07 m AHD which is 0.68 m below Full Supply Level and 0.57 m lower than 12 months ago. The water level is expected to continue falling over the summer months unless there is a significant change in the weather.

DAVID DREVERMAN
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 28th November 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	411.04	683	17%	80	603	-24
Hume Reservoir	192.00	3 038	176.41	775	26%	30	745	-9
Lake Victoria	27.00	677	24.58	404	60%	100	304	-17
Menindee Lakes		1 731 *		35	2%	(- -) #	0	-2
Total		9 352		1 896	20%	--	1 652	-52

* 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		384	37%	3	381	+4
Blowering Reservoir	1 631		501	31%	24	477	-9
Eildon Reservoir	3 390		821	24%	100	721	-5

Snowy Mountains Scheme

Snowy diversions for week ending 27-Nov-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	502	+11	Snowy-Murray	+2	258
Snowy-Murray Component	418	+10	Tooma-Tumut	+1	113
Target Storage	1 450		Nett Diversion	1.7	145
			Murray 1 Release	+5	429

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2007
Murray Irrig. Ltd (Net)	1.8	30.0
Wakool System loss	0.0	3.9
Western Murray Irrig.	0.5	5.3
Licensed Pumps	2.4	23.7
Lower Darling	0.5	3.4
TOTAL	5.0	66.4

Victoria	This week	From 1 July 2007
Yarrawonga Main Channel (net)	2.1	31
Torrumbarry System + Nyah (net)	2.3	47
Sunraysia Pumped Districts	2.0	26 *
Licensed pumps - GMW (Nyah+u/s)	0.3	5
Licensed pumps - LMW	14.5	43
TOTAL	21.4	152 *

* please note that these values do not include Millewa pumping figures.

Flow to South Australia (GL)

Entitlement this month	180 *	
Flow this week	23.7	(3 400 ML/day)
Flow so far this month	96	
Flow last month	80	

* Reduced to approx. 100 GL during Movember drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2007
Swan Hill	60	60	100
Euston	80	80	120
Red Cliffs	-	-	-
Merbein	160	170	150
Burtundy (Darling)	1 420	1 470	1 210
Lock 9	220	210	140
Lake Victoria	190	180	170
Berri	280	290	430
Waikerie	530	570	650
Morgan	650	660	710
Mannum	650	590	480
Murray Bridge	550	540	540
Milang (Lake Alex.)	2 870	2 940	2 370
Poltalloch (Lake Alex.)		1 670	2 330
Meningie (Lake Alb.)	3 090	3 080	2 600
Goolwa Barrages	15 620	15 530	14 350



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	-	-	-	1 990	R	980	1 890
Jingellic	4.0	1.30	207.82	1 850	R	1 320	2 390
Tallandoon (Mitta Mitta River)	4.2	2.38	219.27	4 310	F	4 890	2 600
Heywoods	5.5	2.28	155.91	7 830	R	8 020	6 350
Doctors Point	5.5	2.47	150.94	8 650	R	7 930	7 490
Albury	4.3	1.43	148.87	-	-	-	-
Corowa	7.0	1.81	127.83	6 860	R	7 500	6 050
Yarrowonga Weir (d/s)	6.4	1.32	116.36	7 000	S	6 710	6 370
Tocumwal	6.4	1.80	105.64	7 190	R	6 850	6 430
Torrumbarry Weir (d/s)	7.3	1.98	80.53	5 680	R	5 510	5 350
Swan Hill	4.5	1.14	64.06	5 420	R	5 300	5 250
Wakool Junction	8.8	2.24	51.36	5 060	S	5 120	4 830
Euston Weir (d/s)	8.8	1.01	42.85	4 760	R	4 600	3 950
Mildura Weir (d/s)	-	-	-	3 440	F	3 250	2 620
Wentworth Weir (d/s)	7.3	2.82	27.58	3 160	S	3 100	1 920
Rufus Junction	-	2.87	19.80	2 690	S	2 690	2 840
Blanchetown (Lock 1 d/s)	-	0.12	-	1 390	S	1 290	1 360
Tributaries							
Kiewa at Bandiana	2.7	0.87	154.10	464	F	660	910
Ovens at Wangaratta	11.9	7.90	145.58	624	F	880	980
Goulburn at McCoys Bridge	9.0	1.12	92.54	338	R	310	310
Edward at Stevens Weir (d/s)	-	0.86	80.63	590	F	320	190
Edward at Liewah	-	0.47	55.85	194	F	200	200
Wakool at Stoney Crossing	-	0.88	55.37	-2	F	0	10
Murrumbidgee at Balranald	5.0	0.43	56.39	172	S	170	150
Barwon at Mungindi	-	3.23	-	85	F	90	170
Darling at Bourke	-	4.18	-	738	R	320	20
Darling at Burtundy Rocks	-	0.36	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	2 760	2 360
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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	-0.63	-	No. 7 Rufus River	22.10	+0.01	+0.56
No 26 Torrumbarry	86.05	-0.14	-	No. 6 Murtho	19.25	+0.02	-0.01
No. 15 Euston	47.60	-0.54	-	No. 5 Renmark	16.30	-0.01	+0.08
No. 11 Mildura	34.40	+0.03	+0.04	No. 4 Bookpurnong	13.20	+0.01	+0.32
No. 10 Wentworth	30.80	+0.02	+0.18	No.3 Overland Corner	9.80	+0.03	+0.20
No. 9 Kulnine	27.40	-0.01	-0.34	No. 2 Waikerie	6.10	+0.09	+0.13
No. 8 Wangumma	24.60	-0.31	+0.04	No 1. Blanchetown	3.20	+0.08	-0.63

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.76	0.502	69.852	211
No. 5 Redbank	66.90	-2.93	0.122	61.422	244



Lower Lakes

FSL = 0.75 m AHD

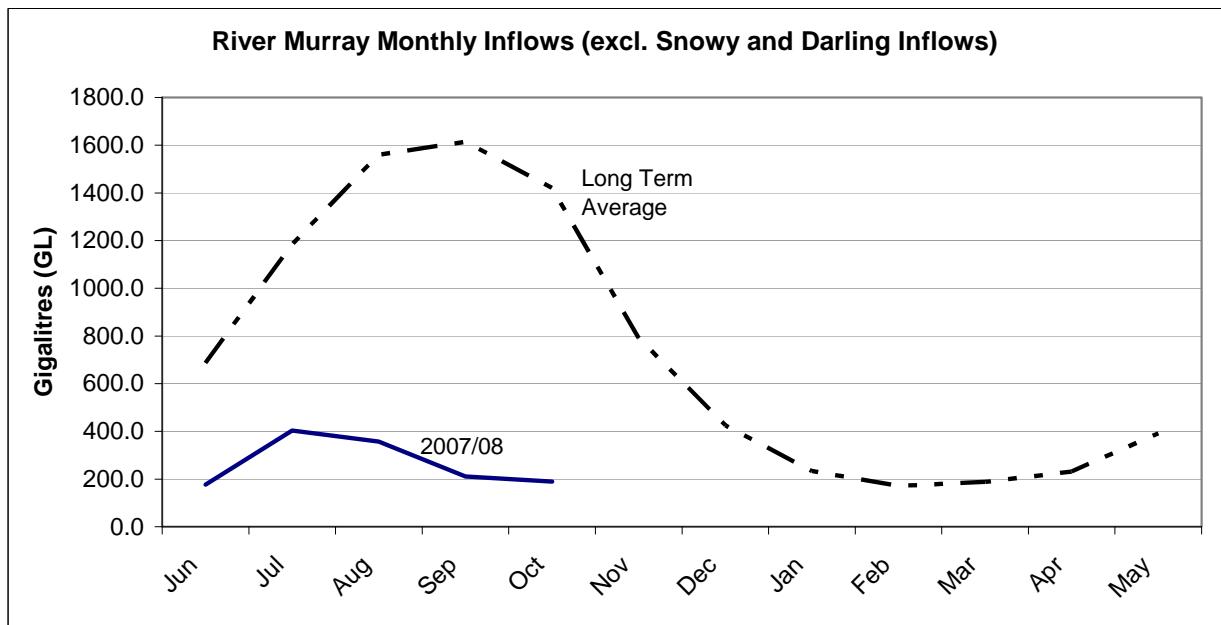
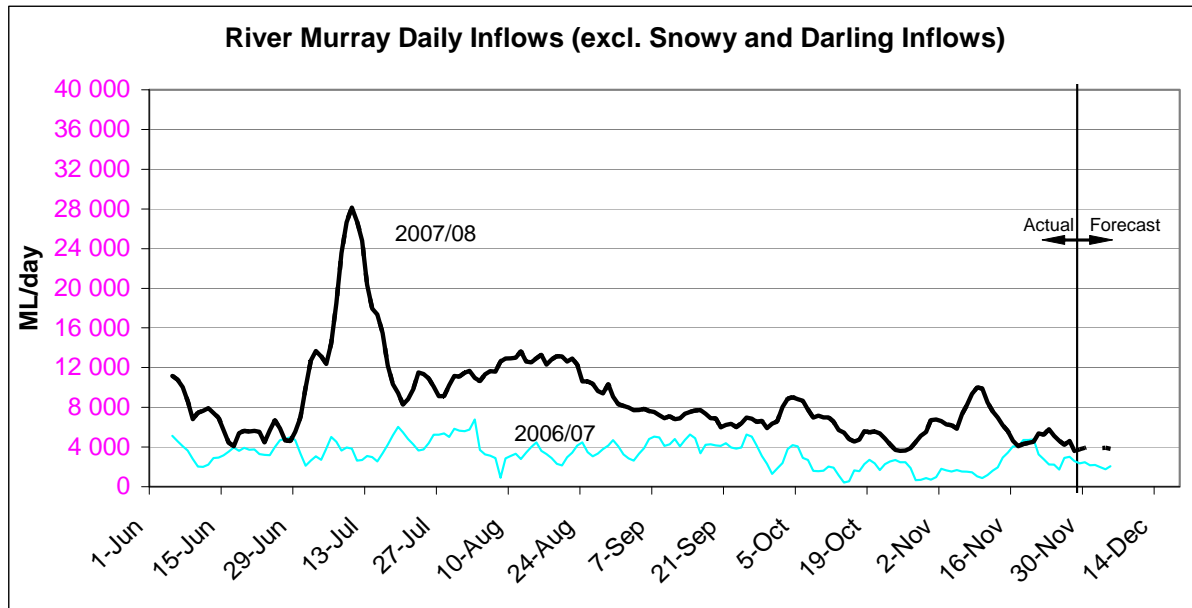
	(m AHD)
Lake Alexandrina average level for the past 5 days	0.07

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.01	All closed	-	Closed
Mundoo	26 openings	0.08	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.02	All closed	Closed	Closed

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



State Allocations (as at 28 Nov 2007)

NSW - Murray Valley

Suspended water re-credit	45%
Critical water	end of March 2008
High security	0%
General security	0%

NSW - Murrumbidgee Valley

High Security	80%
General security	0%

South Australia - Murray Valley

irrigation allocation	16% (and at least 22% on Dec 1st)
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Victoria - Murray Valley

high reliability	23%
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Victoria - Goulburn Valley

high reliability	35%
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NSW : http://www.naturalresources.nsw.gov.au/water/state_mm_murr_water_quality.shtml#alloc

VIC : <http://g-mwater.dds.n.com/news.asp>

SA : <http://www.dwlbc.sa.gov.au/media.html>