

REPORT FOR THE WEEK ENDING

Wednesday, 12 December 2007

*Our Ref : M2006/01015/PRS, AS
Trim Ref : 07/15671*

14 December, 2007



Rainfall and Inflows

The northern half of the Murray-Darling Basin has continued to receive good falls of rain during the past week (see Map), and river flows across southern Queensland and northern NSW are now responding. According to the Bureau of Meteorology, minor flooding is occurring in the Maranoa River and in the Balonne River between Surat and Beardmore Dam. The minor to moderate flooding in the lower Warrego and Paroo Rivers is slowly easing. Minor flooding also occurred upstream of Goondiwindi in the MacIntyre River. This water should slowly make its way downstream to the Darling River. The flow in the Darling River at Bourke is currently 1 500 ML/day.

In contrast, the southern half of the Basin received very little rain during the past week, and inflows to the storages are receding.

River Operations

During the past week, the release from Dartmouth Reservoir was gradually reduced to 700 ML/day and is expected to remain fairly steady over the coming week. The storage in Dartmouth Reservoir is currently 662 GL (17 % capacity) and in Hume Reservoir is 753 GL (24.8 % capacity). Total storage of the River Murray system has declined by 36 GL, and is now at 1 827 GL (20 % capacity).

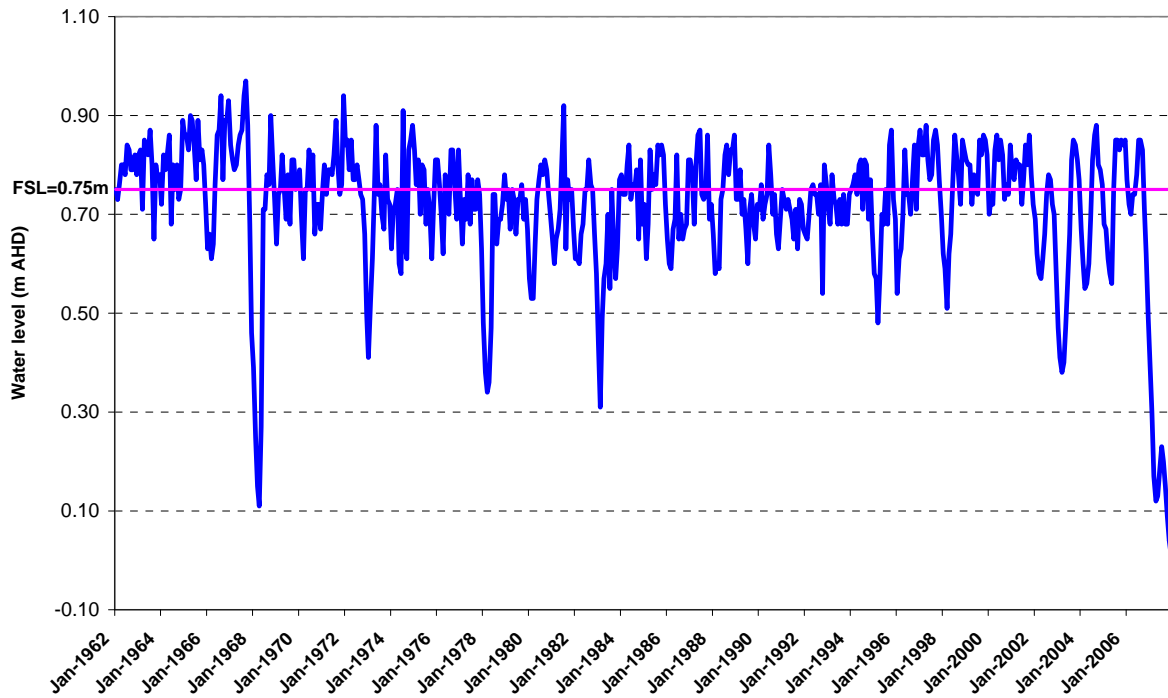
The release from Yarrawonga Weir has remained steady at about 7 000 ML/day, and is expected to remain fairly steady over the coming week. The water level in Lake Mulwala is currently at 124.22 m AHD (0.68 m below Full Supply Level). Unless there is a very significant change in the weather, the water level is expected to remain within the range of 124.2 to 124.5 m AHD over the coming months.

At Torrumbarry Weir, the pool level has been steady at 85.91 m AHD (0.14 m below FSL) and the release has also been steady at about 6 000 ML/day. At Euston Weir, the pool level is currently at 46.94 m AHD (0.66 m below FSL) and is being gradually lowered to reach a target of 46.90 m AHD (0.7 m below FSL) by 21st December.

The flow to South Australia remains steady at about 3 500 ML/day which is only half of the normal entitlement flow for December. Lake Victoria continued to regulate most of the flow to South Australia as part of a salinity management strategy, and during the past week its storage decreased by 13 GL to 382 GL (56.5 % capacity).

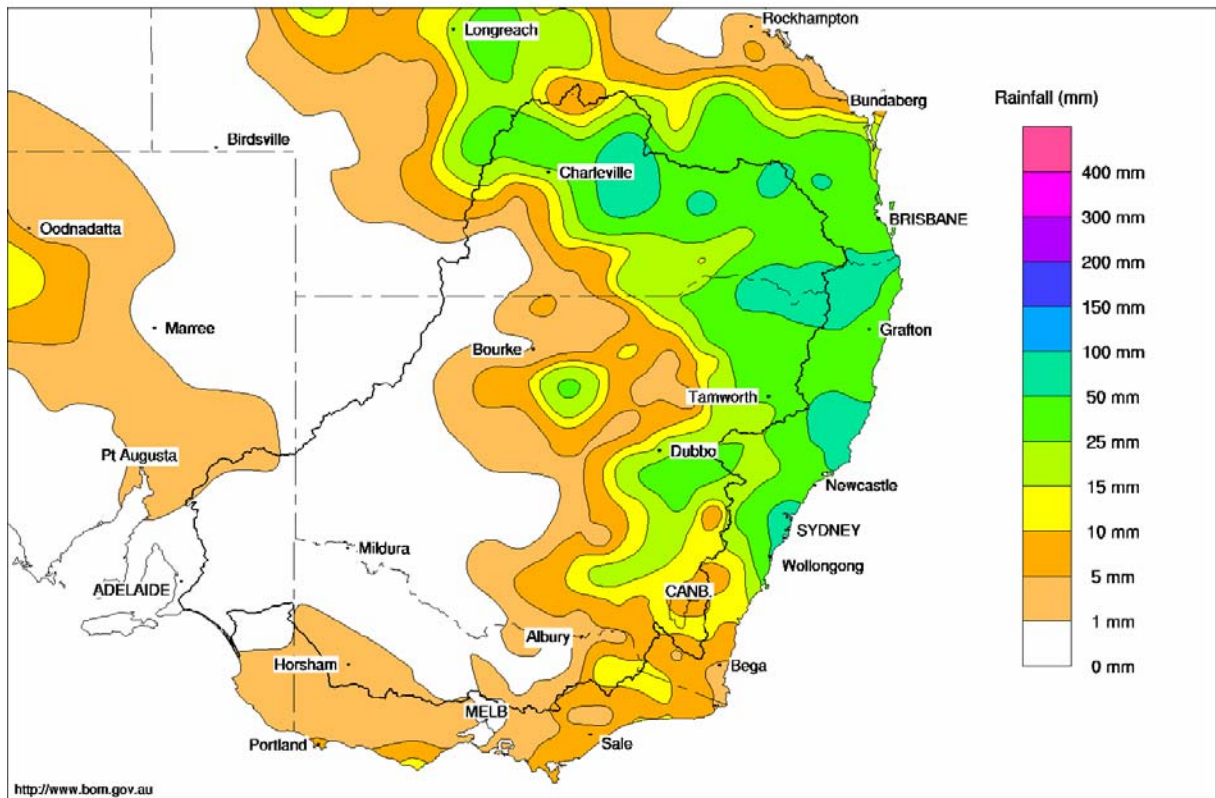
The level of the Lower Lakes continues to gradually fall and is now at 0.01 m AHD. This level is below the previous record low of 0.11 m AHD in April 1968. The graph below shows the water level in Lake Alexandrina over the last 45 years. Without significant rainfall locally and in the upper unregulated catchments, the level of the Lower Lakes is likely to fall to about -0.6 m AHD by end of March 2008.

DAVID DREVERMAN
General Manager



Water level of Lake Alexandrina; January 1962 to December 2007.

Murray Darling Rainfall Analysis (mm) Week Ending 12th December 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	410.10	662	17%	80	582	-6
Hume Reservoir	192.00	3 038	176.18	753	25%	30	723	-16
Lake Victoria	27.00	677	24.37	382	56%	100	282	-12
Menindee Lakes		1 731 *		31	2%	(- -) #	0	-2
Total		9 352		1 827	20%	--	1 587	-36

* 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	402	39%	3	399	+4
Blowering Reservoir	1 631	511	31%	24	487	+17
Eildon Reservoir	3 390	810	24%	100	710	-10

Snowy Mountains Scheme

Snowy diversions for week ending 11-Dec-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversions (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	n/a	n/a	Snowy-Murray	n/a	n/a
Snowy-Murray Component	n/a	-	Tooma-Tumut	n/a	n/a
Target Storage	n/a		Nett Diversion	n/a	n/a
			Murray 1 Release	n/a	n/a

No data supplied from Snowy Hydro for the Snowy Mountains Scheme section.

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2007
Murray Irrig. Ltd (Net)	2.4	34.7
Wakool System loss	0.0	4.3
Western Murray Irrig.	0.8	7.0
Licensed Pumps	2.3	28.1
Lower Darling	0.5	4.4
TOTAL	6.1	78.5

Victoria	This week	From 1 July 2007
Yarrowonga Main Channel (net)	2.1	35
Torrumbarry System + Nyah (net)	2.9	52
Sunraysia Pumped Districts	4.1	33 *
Licensed pumps - GMW (Nyah+u/s)	0.4	6
Licensed pumps - LMW	6.0	55
TOTAL	15.6	181 *

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

Flow to South Australia (GL)

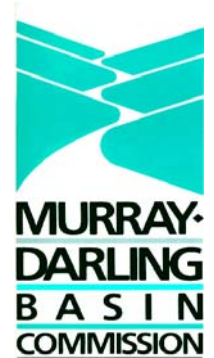
Entitlement this month	217 *	(3 500 ML/day)
Flow this week	24.4	
Flow so far this month	42	
Flow last month	103	

* Reduced to approx. 109 GL during December drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2007
Swan Hill	70	70	100
Euston	70	80	110
Red Cliffs	-	-	-
Merbein	120	130	150
Burtundy (Darling)	1 450	1 430	1 230
Lock 9	190	200	150
Lake Victoria	190	190	170
Berri	290	300	410
Waikerie	-	-	640
Morgan	610	610	700
Mannum	720	700	500
Murray Bridge	590	590	540
Milang (Lake Alex.)	2 920	2 930	2 430
Poltalloch (Lake Alex.)		1 010	2 220
Meningie (Lake Alb.)	2 970	3 110	2 650
Goolwa Barrages	19 700	19 360	14 760



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	-	-	-	580	F	2 600	1 710
Jingellic	4.0	1.15	207.67	1 030	F	2 770	1 880
Tallandoon (Mitta Mitta River)	4.2	1.62	218.51	1 130	F	1 730	3 280
Heywoods	5.5	2.55	156.18	10 790	R	6 720	5 950
Doctors Point	5.5	2.70	151.17	11 300	R	7 660	6 460
Albury	4.3	1.65	149.09	-	-	-	-
Corowa	7.0	1.93	127.95	7 600	R	6 080	6 440
Yarrowonga Weir (d/s)	6.4	1.24	116.28	6 500	F	6 920	7 020
Tocumwal	6.4	1.79	105.63	7 130	S	7 160	7 310
Torrumbarry Weir (d/s)	7.3	2.06	80.61	6 000	S	6 120	6 090
Swan Hill	4.5	1.23	64.15	6 090	S	6 130	5 720
Wakool Junction	8.8	2.43	51.55	5 840	S	5 730	5 260
Euston Weir (d/s)	8.8	1.07	42.91	5 030	S	4 930	4 520
Mildura Weir (d/s)	-	-	-	4 000	F	3 800	3 380
Wentworth Weir (d/s)	7.3	2.80	27.56	2 810	R	2 750	3 040
Rufus Junction	-	2.92	19.85	3 010	R	2 950	2 870
Blanchetown (Lock 1 d/s)	-	0.00	-	400	F	1 190	1 920
Tributaries							
Kiewa at Bandiana	2.7	0.91	154.14	507	R	910	600
Ovens at Wangaratta	11.9	8.01	145.69	887	F	1 500	1 790
Goulburn at McCoys Bridge	9.0	1.12	92.54	338	F	360	370
Edward at Stevens Weir (d/s)	-	0.67	80.44	410	S	340	400
Edward at Liewah	-	0.70	56.08	316	R	280	200
Wakool at Stoney Crossing	-	0.79	55.28	43	R	40	-
Murrumbidgee at Balranald	5.0	0.41	56.37	154	R	150	160
Barwon at Mungindi	-	3.19	-	33	R	60	110
Darling at Bourke	-	4.29	-	1 506	S	1 710	510
Darling at Burtundy Rocks	-	0.51	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	1 980	2 610
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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	-0.69	-	No. 7 Rufus River	22.10	-0.01	+0.61
No 26 Torrumbarry	86.05	-0.15	-	No. 6 Murtho	19.25	+0.00	-0.01
No. 15 Euston	47.60	-0.66	-	No. 5 Renmark	16.30	-0.01	+0.07
No. 11 Mildura	34.40	+0.03	+0.06	No. 4 Bookpurnong	13.20	+0.00	+0.25
No. 10 Wentworth	30.80	+0.02	+0.16	No.3 Overland Corner	9.80	+0.00	+0.16
No. 9 Kulnine	27.40	-0.03	-0.35	No. 2 Waikerie	6.10	+0.06	+0.03
No. 8 Wangumma	24.60	-0.33	+0.02	No 1. Blanchetown	3.20	+0.01	-0.75

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.94	1.166	70.516	1110
No. 5 Redbank	66.90	-1.30	0.157	61.457	269



Lower Lakes

FSL = 0.75 m AHD

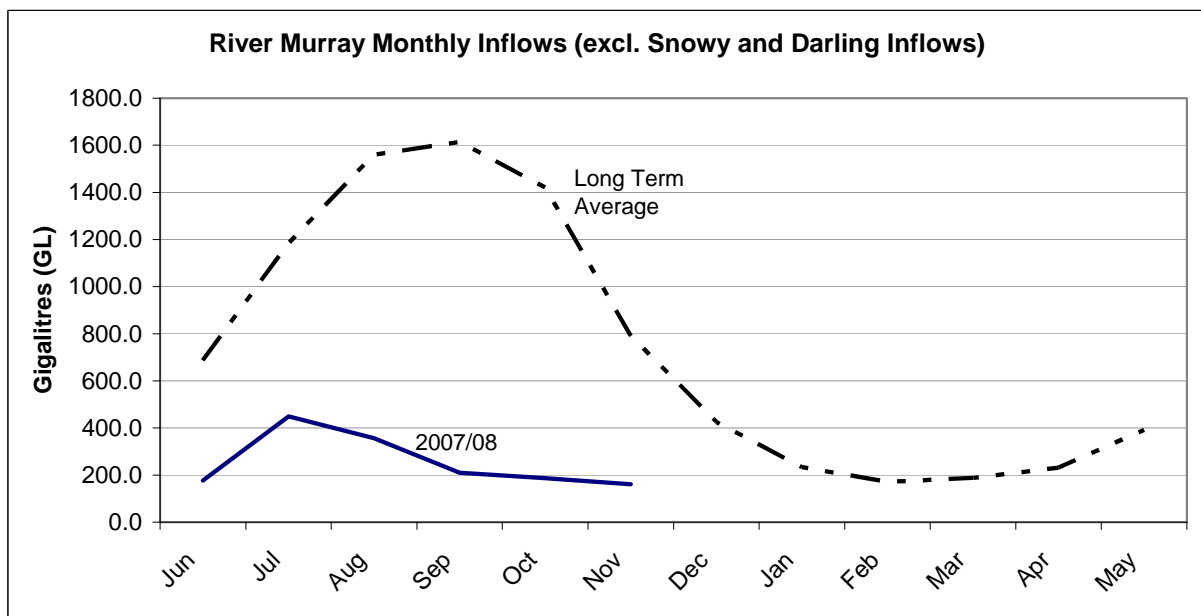
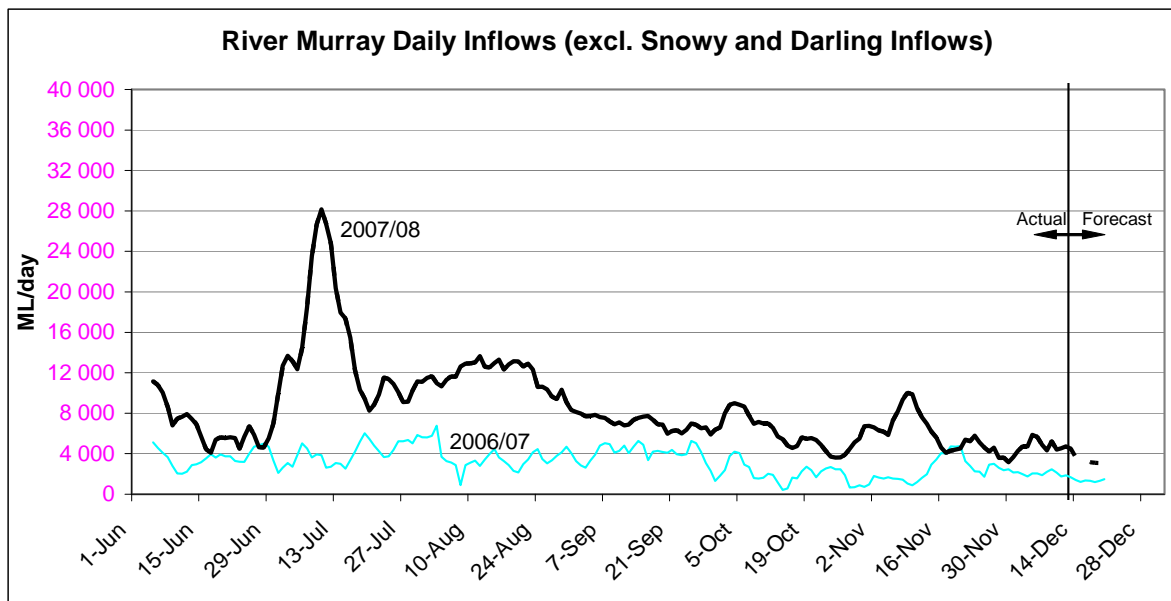
	(m AHD)
Lake Alexandrina average level for the past 5 days	0.01

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.04	All closed	-	Closed
Mundoo	26 openings	0.00	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.04	All closed	Closed	Closed

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



State Allocations (as at 12 Dec 2007)

NSW - Murray Valley

Suspended water re-credit	50%
Critical water	end of March 2008
High security	0%
General security	0%

NSW - Murrumbidgee Valley

High Security	90%
General security	0%

South Australia - Murray Valley

irrigation allocation	32% from 14 Dec
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Victoria - Murray Valley

high reliability	26%
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Victoria - Goulburn Valley

high reliability	37%
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NSW : http://www.naturalresources.nsw.gov.au/water/state_mm_murr_water_quality.shtml#alloc

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

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