

REPORT FOR THE WEEK ENDING

Wednesday, 31 October 2007

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2 November, 2007



Rainfall and inflows

During the past week rain fell across the entire Murray-Darling Basin, with the highest falls (50-100 mm) in northern NSW and south-east Queensland (see Map 1). This has generated a small increase in flows along the Severn and MacIntyre Rivers in northern NSW. Although 25 and 50 mm of rain fell across large areas of southern NSW and north-east Victoria, there was only a small response in streamflow in the upper catchments of the River Murray System due to the preceding dry conditions. According to the Bureau of Meteorology, further rain is forecast for the coming week across most regions of the Basin.

During the month of October, rainfall was below average throughout the southern half of the Basin and close to average in the north (see Map 2). The October inflow for the River Murray System was 187 GL which was slightly lower than September (210 GL) and well below the long term average for October of 1 420 GL.

River operations

Dartmouth storage increased by 6 GL to 699 GL (17.9% capacity) and the release has been increased to 700 ML/day. From mid-November higher release rates are planned, averaging 4 500 ML/day to supplement the increasing demand for water along the Murray. Hume storage decreased by 11 GL to 834 GL (27.5% capacity) and during the past week the release varied between 4 500 and 5 500 ML/day.

The release from Yarrawonga Weir has been increased from 5 000 to 5 500 ML/day and the weir pool level has been steady at about 124.2 m AHD (70 cm below Full Supply Level). The weir pool level at Torrumbarry Weir is currently 85.75 m AHD (30 cm below FSL) and is expected to increase by about 10 cm during the next week. The pool level at Euston Weir is currently at 47.17 m AHD (43 cm below FSL) and during the coming week is expected to reduce a further 7 cm to the target of 47.10 m AHD. Further details about the future operation of Euston Weir will be released in coming weeks. During the past week the flow through the Sunraysia district increased (from 800 to 1 200 ML/day at Wentworth Weir), and should continue rising during the next few weeks.

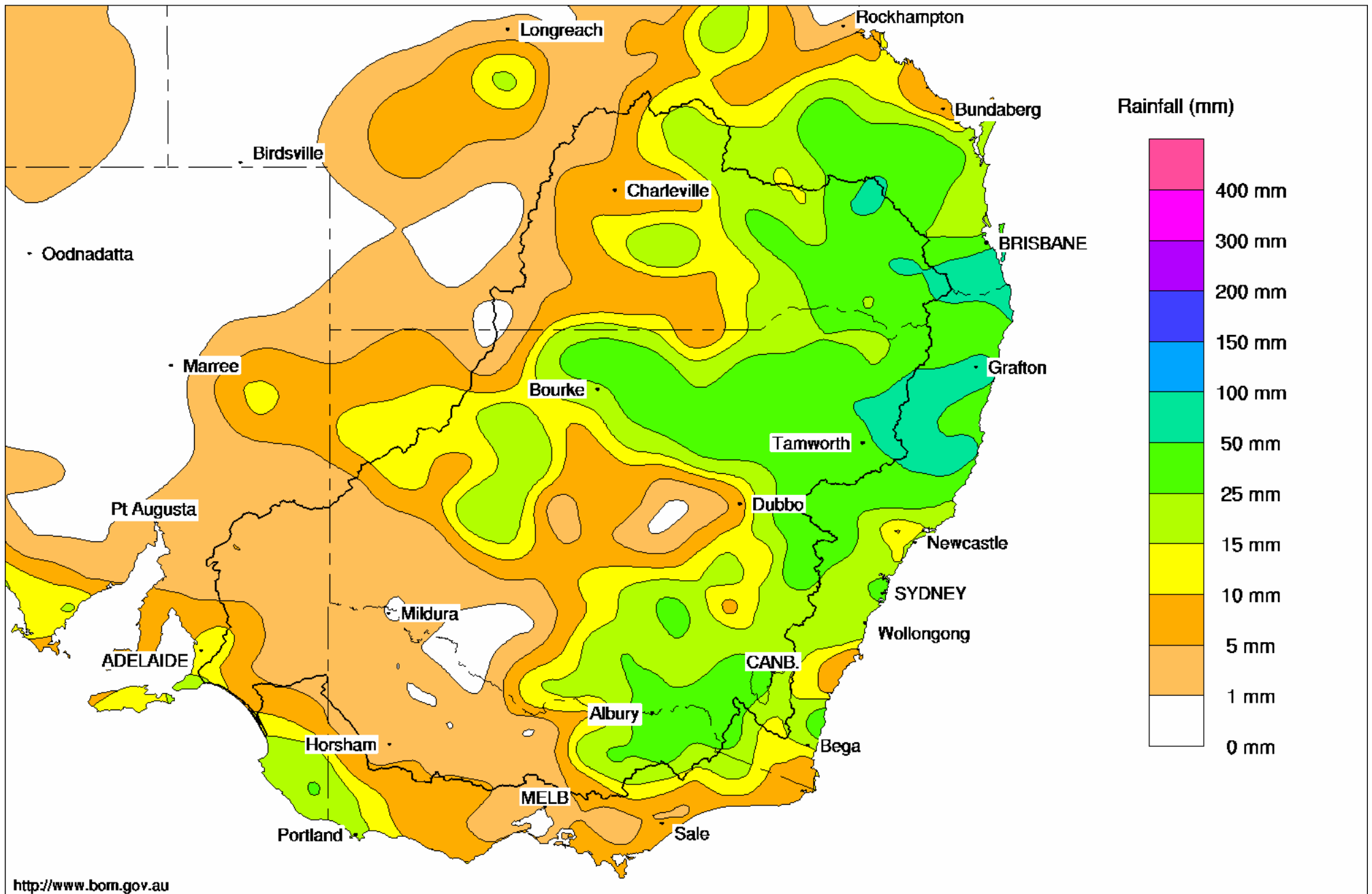
Over the last couple of weeks a small flow has been passing along the Darling River into Menindee Lakes, resulting in a slight increase in storage from 56 to 66 GL.

The flow to South Australia was increased from 2 600 to 3 400 ML/day on 1st November, most of which is being supplied from Lake Victoria. During the week Lake Victoria storage reduced by 19 GL and is currently at 457 GL (67% capacity). The water level in the Lower Lakes is currently at 0.10 m AHD, which is the lowest level recorded since April 1968.

DAVID DREVERMAN
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 31st October 2007

Product of the National Climate Centre



<http://www.bom.gov.au>

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	411.75	699	18%	80	619	+6
Hume Reservoir	192.00	3 038	177.02	834	27%	30	804	-11
Lake Victoria	27.00	677	25.08	457	67%	100	357	-19
Menindee Lakes		1 731 *		66	4%	(- -) #	0	+2
Total		9 352		2 055	22%	--	1 780	-22

* Menindee surcharge capacity 2050 GL % of Total Active MDBC Storage = 21%

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		383	37%	3	380	-4
Blowering Reservoir	1 631		526	32%	24	502	+34
Eildon Reservoir	3 390		803	24%	100	703	-2

Snowy Mountains Scheme

Snowy diversions for week ending 30-Oct-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversions (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	451	+20	Snowy-Murray	+0	255
Snowy-Murray Component	362	+28	Tooma-Tumut	+2	103
Target Storage	1 400		Nett Diversion	-1.8	152
			Murray 1 Release	+3	409

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2007
Murray Irrig. Ltd (Net)	.0	23.0
Wakool System loss	0.0	3.2
Western Murray Irrig.	0.6	3.2
Licensed Pumps	1.6	16.6
Lower Darling	0.3	2.2
TOTAL	2.3	48.1

Victoria	This week	From 1 July 2007
Yarrawonga Main Channel (net)	1.1	24
Torrumbarry System + Nyah (net)	3.2	35
Sunraysia Pumped Districts	2.1	15 *
Licensed pumps - GMW (Nyah+u/s)	0.3	3
Licensed pumps - LMW	3.1	19
TOTAL	9.8	97 *

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

Flow to South Australia (GL)

Entitlement this month	170 *	
Flow this week	18.4	(2 600 ML/day)
Flow so far this month	80	
Flow last month	50	

* Reduced to approx. 80 GL during October drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2007
Swan Hill	100	90	110
Euston	140	130	120
Red Cliffs	-	-	-
Merbein	210	210	140
Burtundy (Darling)	1 330	1 310	1 170
Lock 9	150	140	130
Lake Victoria	170	180	170
Berri	330	350	460
Waikerie	-	350	660
Morgan	730	720	720
Mannum	540	540	460
Murray Bridge	530	530	540
Milang (Lake Alex.)	2 490	2 470	2 270
Poltalloch (Lake Alex.)	2 340	2 510	2 280
Meningie (Lake Alb.)	2 690	2 660	2 550
Goolwa Barrages	14 560	15 930	14 120



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	-	-	-	630	F	1 250	890
Jingellic	4.0	1.25	207.77	1 540	S	2 030	1 230
Tallandoon (Mitta Mitta River)	4.2	1.41	218.30	630	R	440	360
Heywoods	5.5	1.84	155.47	4 410	F	5 060	4 230
Doctors Point	5.5	2.13	150.60	5 180	R	5 680	5 060
Albury	4.3	1.13	148.57	-	-	-	-
Corowa	7.0	1.46	127.48	4 910	F	5 210	4 050
Yarrowonga Weir (d/s)	6.4	1.09	116.13	5 520	S	5 220	4 450
Tocumwal	6.4	1.54	105.38	5 600	R	5 130	4 090
Torrumbarry Weir (d/s)	7.3	1.59	80.14	4 340	R	3 830	3 100
Swan Hill	4.5	0.86	63.78	3 760	R	3 520	2 720
Wakool Junction	8.8	1.78	50.90	3 420	R	3 170	2 480
Euston Weir (d/s)	8.8	0.63	42.47	2 770	R	2 340	1 990
Mildura Weir (d/s)	-	-	-	1 680	F	1 510	1 560
Wentworth Weir (d/s)	7.3	2.69	27.45	1 240	R	1 180	810
Rufus Junction	-	2.77	19.70	2 070	R	2 110	2 150
Blanchetown (Lock 1 d/s)	-	0.09	-	1 230	R	1 220	1 260
Tributaries							
Kiewa at Bandiana	2.7	1.15	154.38	799	R	690	940
Ovens at Wangaratta	11.9	8.00	145.68	863	F	840	710
Goulburn at McCoys Bridge	9.0	1.22	92.64	474	S	460	380
Edward at Stevens Weir (d/s)	-	0.44	80.21	200	F	200	200
Edward at Liewah	-	0.44	55.82	185	S	180	200
Wakool at Stoney Crossing	-	0.00	54.49	7	S	10	10
Murrumbidgee at Balranald	5.0	0.40	56.36	154	S	160	160
Barwon at Mungindi	-	3.17	-	15	F	30	30
Darling at Bourke	-	3.99	-	49	F	150	50
Darling at Burtundy Rocks	-	0.50	-	0	F	0	0

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	4 870	3 290
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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	-0.06	+0.46
No 26 Torrumbarry	86.05	-0.30	-	No. 6 Murtho	19.25	+0.01	-0.04
No. 15 Euston	47.60	-0.43	-	No. 5 Renmark	16.30	+0.01	+0.04
No. 11 Mildura	34.40	+0.00	-0.01	No. 4 Bookpurnong	13.20	-0.02	+0.25
No. 10 Wentworth	30.80	+0.00	+0.05	No.3 Overland Corner	9.80	+0.02	+0.19
No. 9 Kulnine	27.40	-0.05	-0.40	No. 2 Waikerie	6.10	+0.09	+0.12
No. 8 Wangumma	24.60	-0.39	-0.04	No 1. Blanchetown	3.20	+0.09	-0.66

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-1.40	0.53	69.88	235
No. 5 Redbank	66.90	-2.02	0.11	61.41	236



Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.09

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.11	All closed	-	Closed
Mundoo	26 openings	0.12	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.12	All closed	Closed	Closed

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