

# REPORT FOR THE WEEK ENDING

Wednesday, 27 October 2004

Our Ref : RMW305/01/01/prs  
Trim Ref : 04/11649DO

29 October, 2004



## *Rainfall and Seasonal outlook*

A low pressure system off the NSW coast resulted rainfall totals between 10 and 50mm in the eastern and north eastern parts of the Basin this week. However, most of Victoria, western NSW and south-west Queensland received little or no rain.

Although the Bureau of Meteorology has indicated that the progression towards an El Niño has slowed over the past month, they report an increased chance of below average rainfall from November to January for the eastern half of NSW and south-east Queensland (see attached map).

## *Storage levels and system operation*

Total active MDBC storage level declined by 46 GL during the week and is currently at 45% capacity. This is 7% lower than for the same time last year.

Inflow to Dartmouth Reservoir continued to decline during the week and are currently about 1 500 ML/day. Release from Dartmouth was maintained at 7 000 ML/day throughout the week resulting in the storage level falling by 35 GL to 1 852 GL or 47% of capacity. These transfers from Dartmouth aim to ensure sufficient water is available in Hume Reservoir to meet irrigation and water supply requirements for the remainder of the 2004/05 season, and will continue to be reviewed over the coming months.

Inflow to Hume Reservoir this week averaged 16 000 ML/day. This was marginally higher than the release rate and resulted in a small increase in storage level. Hume is currently at 48% of capacity, however without further significant rainfall it is expected the storage level will begin to fall in coming weeks.

Lake Victoria storage level has fallen this week and is currently at 94% of capacity. Transfer of water to Lake Victoria is continuing at maximum rates downstream of Yarrawonga Weir with release being maintained at 10 300ML/day, which is near channel capacity through the Barmah-Millewa Forest. In addition, water is now being transferred at near maximum rates through the Mulwala Canal. This will result in higher flow rates along the Wakool River, Colligen Creek and Neimur River. The flow along the Edward River downstream of Stevens Weir will be maintained at 2 900 ML/day.

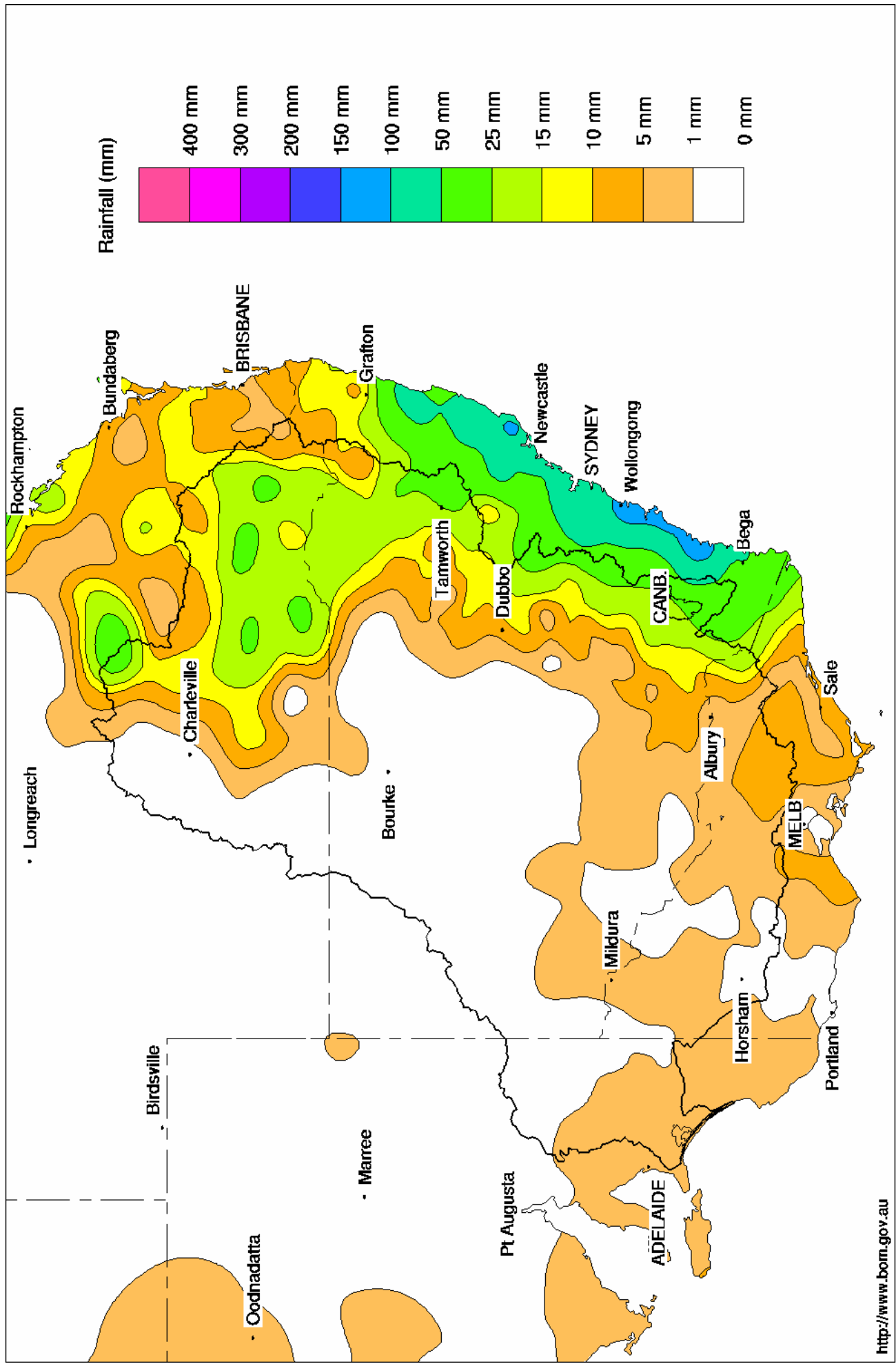
## *Environmental water use*

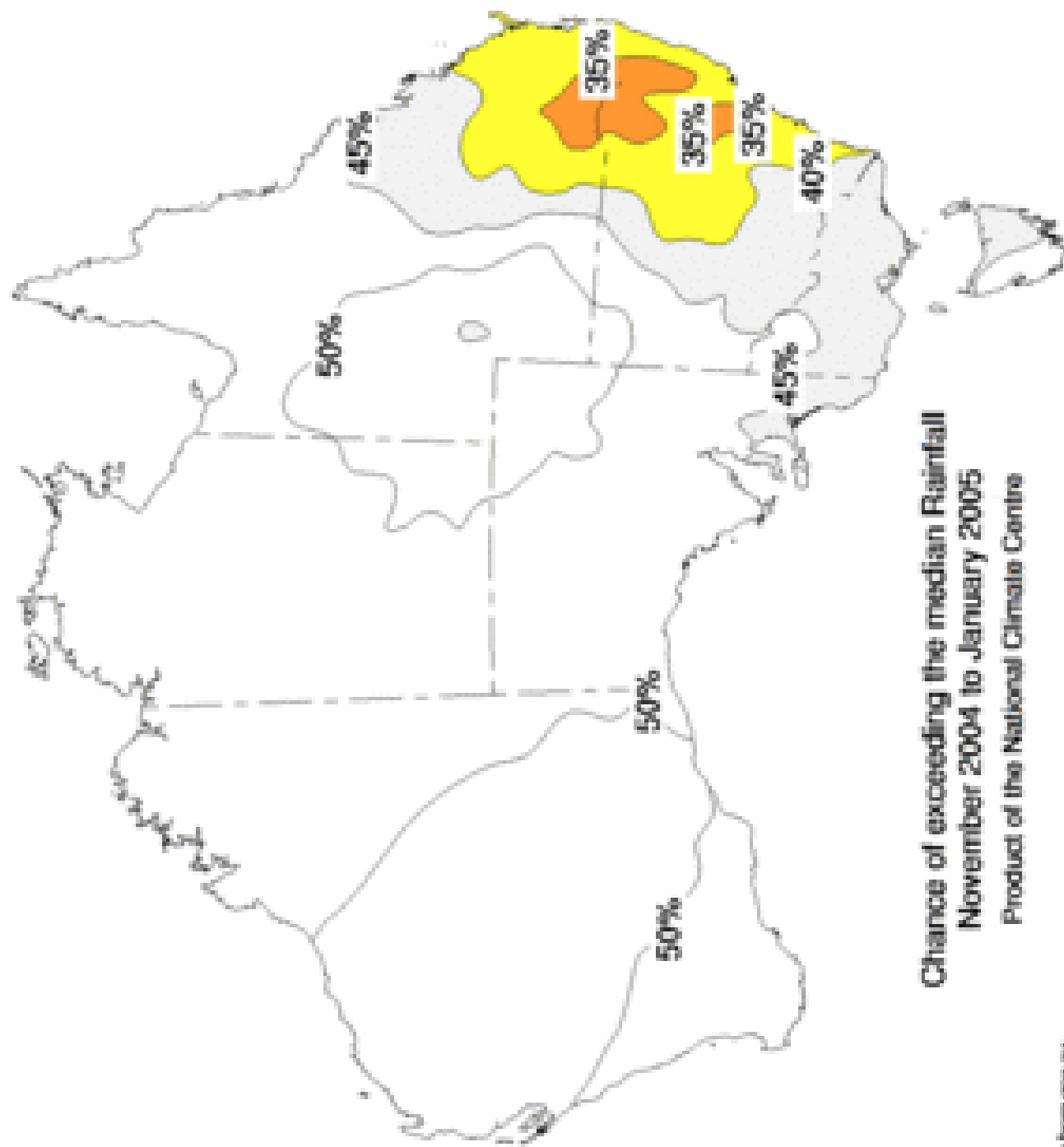
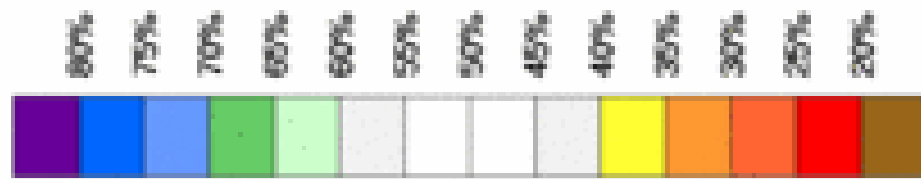
Following the higher river levels in September, NSW and Victorian environmental water accounts are currently being used to supply additional water to wetlands along Gulpa Creek (NSW) and wetlands in the Gunbower Forest (Victoria), with the aim of extending the duration of flooding in these ecologically significant wetlands.

DAVID DREVERMAN  
General Manager

# Murray Darling Rainfall Analysis (mm) Week Ending 27th October 2004

Product of the National Climate Centre





**Chance of exceeding the median Rainfall  
November 2004 to January 2005**  
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)	Active Storage (GL)	Change in Storage for the week (GL)
				(GL)	%			
Dartmouth Reservoir	486.00	3 906	447.77	1 852	47%	80	1 772	-35
Hume Reservoir	192.00	3 038	182.53	1 473	48%	30	1 443	+5
Lake Victoria	27.00	677	26.68	638	94%	100	538	-10
Menindee Lakes		1 603 *		283	18%	640 #	0	-7
<b>Total</b>		<b>9 224</b>		<b>4 246</b>	<b>46%</b>	<b>850</b>	<b>3 752</b>	<b>-46</b>

\* Menindee surcharge capacity 1916 GL

% of Total Active MDBC Storage = **45%**

# NSW Menindee Lakes Reserve

**Major State Storages**

Burrinjuck Reservoir	1 026	206	20%	3	203	-40
Blowering Reservoir	1 631	511	31%	24	487	+2
Eildon Reservoir	3 390	1 374	41%	100	1 274	-7

**Snowy Mountains Scheme**

Snowy diversions for week ending 26-Oct-2004

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2004
Lake Eucumbene - Total	2 347	-5	Snowy-Murray	+25	295
Snowy-Murray Component	1 053	+8	Tooma-Tumut	+3	174
Target Storage	1 400		Nett Diversion	21.1	121
			Murray 1 Release	+36	520

**Major Diversions from Murray and Lower Darling (GL)**

New South Wales	This week	From 1 July 2004
Murray Irrig. Ltd (Net)	24.6	222.2
Wakool System loss	-1.8	4.9
Western Murray Irrig.	1.0	6.0
Licensed Pumps	8.7	66.1
Lower Darling	0.4	5.7
<b>TOTAL</b>	<b>32.8</b>	<b>305.0</b>

Victoria	This week	From 1 July 2004
Yarrawonga Main Channel (net)	14.2	81
Torrumbarry System + Nyah (net)	18.5	186
Sunraysia Pumped Districts	4.9	30
Licensed pumps - GMW (Nyah+u/s)	0.8	5
Licensed pumps - SRW	5.4	54
<b>TOTAL</b>	<b>43.8</b>	<b>355</b>

**Flow to South Australia (GL)**

Entitlement this month	170	(5 600 ML/day)
Flow this week	38.9	
Flow so far this month	149	
Flow last month	135	

**Salinity (EC)**

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2004
Swan Hill	80	80	100
Euston	90	100	120
Red Cliffs	160	130	90
Merbein	140	130	100
Burtundy (Darling)	470	490	420
Lock 9	150	140	130
Lake Victoria	180	160	180
Berri	260	250	270
Waikerie	-	-	430
Morgan	400	400	450
Mannum	550	550	530
Murray Bridge	590	580	550
Milang (Lake Alex.)	1 330	1 320	1 220
Poltalloch (Lake Alex.)	-	-	1 030
Meningie (Lake Alb.)	3 500	2 390	2 080
Goolwa Barrages	1 610	1 580	1 880

**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)				
<b>River Murray</b>							
Khancoban	-	-	-	6 170	R	6 560	5 480
Jingellic	4.0	2.02	208.54	7 630	R	9 110	7 940
Tallandoon ( Mitta Mitta River )	4.2	2.90	219.79	8 250	S	8 390	8 260
Heywoods	5.5	2.89	156.52	14 650	F	14 870	12 990
Doctors Point	5.5	3.10	151.57	15 200	F	16 360	15 370
Albury	4.3	2.12	149.56	-	-	-	-
Corowa	7.0	3.30	129.32	17 900	S	16 910	17 070
Yarrowonga Weir (d/s)	6.4	1.80	116.84	10 300	S	10 300	10 340
Tocumwal	6.4	2.32	106.16	10 580	S	10 580	10 590
Torrumbarry Weir (d/s)	7.3	1.78	80.33	4 980	F	5 190	4 970
Swan Hill	4.5	1.04	63.96	4 630	S	4 570	4 820
Wakool Junction	8.8	2.84	51.96	7 380	R	7 290	7 890
Euston Weir (d/s)	8.8	1.42	43.26	6 590	S	6 820	7 640
Mildura Weir (d/s)	-	-	30.93	5 920	F	6 190	7 690
Wentworth Weir (d/s)	7.3	2.90	27.66	5 260	S	5 430	6 910
Rufus Junction	-	3.25	20.18	5 270	R	5 160	5 040
Blanchetown (Lock 1 d/s)	-	-	-	3 260	F	3 420	3 670
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.36	154.59	1 150	F	1 980	3 160
Ovens at Wangaratta	11.9	8.42	146.10	1 887	R	1 800	2 180
Goulburn at McCoys Bridge	9.0	1.14	92.56	349	F	390	510
Edward at Stevens Weir (d/s)	-	-	-	2 880	S	2 890	2 890
Edward at Liewah	-	2.88	58.26	2 520	S	2 530	2 370
Wakool at Stoney Crossing	-	0.53	55.02	529	F	600	810
Murrumbidgee at Balranald	5.0	0.48	56.44	217	F	220	210
Barwon at Mungindi	-	3.18	-	30	S	50	70
Darling at Bourke	-	4.07	-	281	F	370	500
Darling at Burtundy Rocks	-	0.65	-	18	F	40	30

<b>Natural Inflow to Hume</b> (ie pre Dartmouth & Snowy Mountains scheme)	7 520	11 420
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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	-0.08	-	No. 7 Rufus River	22.10	+0.08	+0.94
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.09	+0.04
No. 15 Euston	47.60	+0.00	-	No. 5 Renmark	16.30	-0.01	+0.11
No. 11 Mildura	34.40	+0.01	+0.13	No. 4 Bookpurnong	13.20	+0.03	+0.48
No. 10 Wentworth	30.80	+0.01	+0.26	No.3 Overland Corner	9.80	+0.00	+0.16
No. 9 Kulnine	27.40	+0.00	+0.05	No. 2 Waikerie	6.10	+0.02	+0.10
No. 8 Wangumma	24.60	+0.03	+0.16	No 1. Blanchetown	3.20	+0.01	+0.32

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.28	0.65	70	345
No. 5 Redbank	66.90	-0.49	0.18	61.48	296

**Barrages**

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.60	All closed
Mundoo	26 openings	-	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.59	All closed

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

