

REPORT FOR THE WEEK ENDING

Wednesday, 7 July 2004

*Our Ref : RMW305/01/01/jm:bwh
Trim Ref : 04/1530CI*

8 July, 2004



Rainfall

Further rain, generally in the range 5 to 50 mm, was recorded over the southern part of the Basin this week. For June 2004, rainfall across the southern part of the Basin generally ranged from average to above average. However, over the last six months, rainfall in this area ranged from below average to very much below average (refer to the attached maps from Bureau of Meteorology - Rainfall Deciles for June 2004; and Rainfall Deciles for 1 January to 30 June 2004). Further falls are required in order to turn around from the recent dry sequence and improve inflows to the Murray system.

System Operation

Inflows to Hume and Dartmouth Reservoirs have been maintained at rates similar to last week, and have produced a slight increase in total upper Murray storage, despite ongoing transfer of water to Lake Victoria. Inflow to Dartmouth peaked at 3 700 ML/day, while individual inflow peaks to the River Murray from the Kiewa and Ovens Rivers were slightly lower.

As part of the ongoing program of transfer of water to Lake Victoria, release from Yarrawonga Weir has been maintained at 9 800 ML/day, and approximately half of this flow was derived from release from Hume Reservoir, with the balance provided by inflows from the Kiewa and Ovens Rivers.

Release from the Murray into the Edward River via the Edward Offtake are being maintained at the maximum regulated rate, however release from the Murray to Gulpa Creek will be temporarily ceased next week to allow minor works to be undertaken on the Gulpa Offtake regulator. Over the coming weeks, following completion of this work, the rate of transfer to Lake Victoria will be increased slightly at Yarrawonga to near channel capacity in the Barmah-Millewa Forest, as part of the plan to achieve the necessary balance of water stored in the upper and lower Murray storages for the coming irrigation season.

State Water (NSW) has advised that in preparation for the commencement of the 2004/05 irrigation season, filling of the Mulwala Canal System is expected to commence on about 19 July.

Storage in Lake Victoria has slowly increased by 23 GL to 41% of capacity by the end of the week. However, storage is currently 12 GL lower than at this time last year.

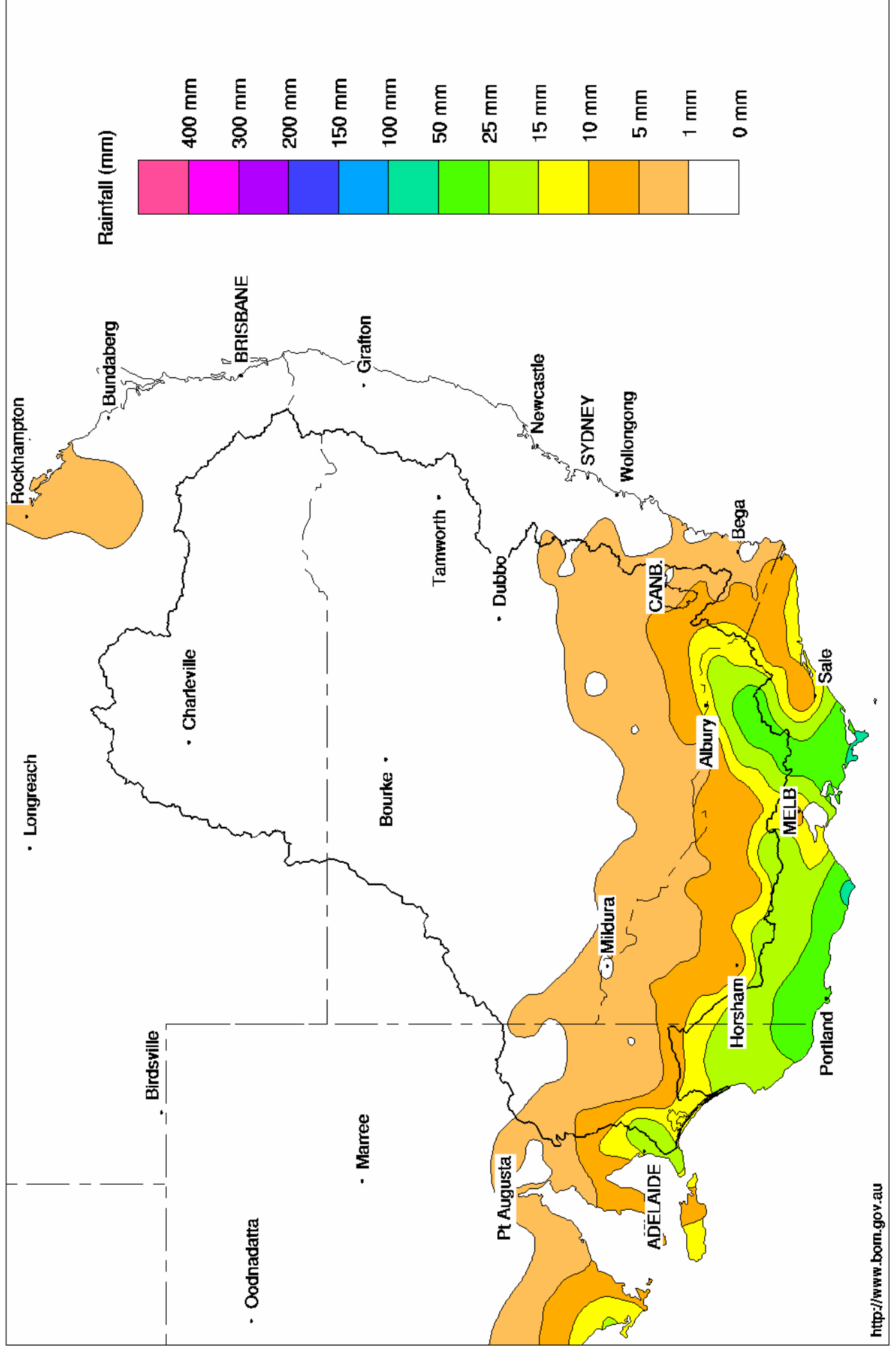
Salinity

Salinity at Morgan averaged 510 EC this week, but has averaged 410 EC over the period since 1 August 2003. If flow to South Australia remains fully regulated over coming months, river salinity levels in South Australia are expected to continue to gradually increase. Forecasts of river salinity will be continually reviewed and updated by River Murray Water to take into account any changed river conditions.

DAVID DREVERMAN
General Manager

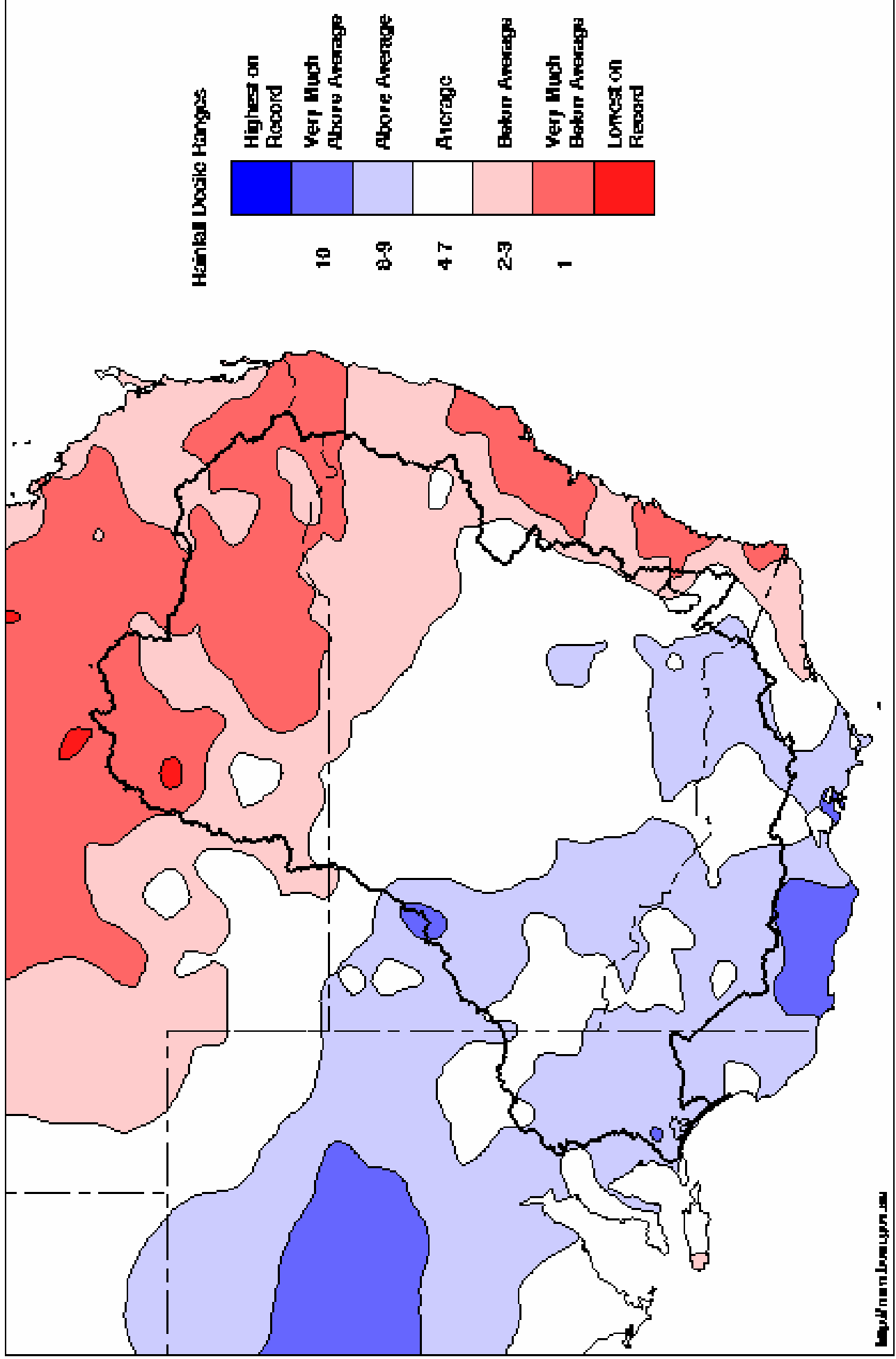
Murray Darling Rainfall Analysis (mm) Week Ending 7th July 2004

Product of the National Climate Centre



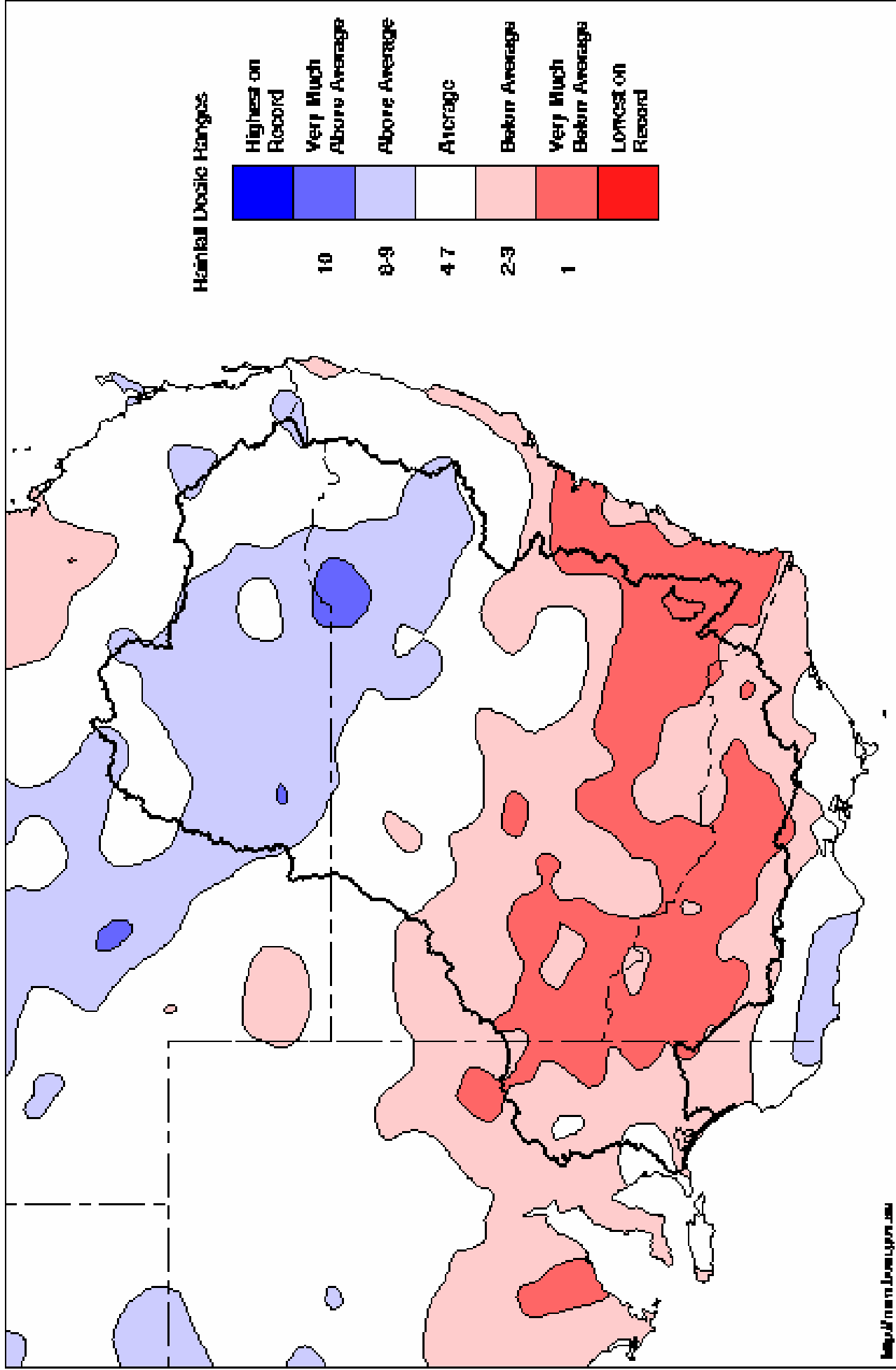
Murray Darling Rainfall Deciles June 2004

Distribution Based on Gridded Data
Product of the National Climate Centre



Murray Darling Rainfall Deciles 1 January to 30 June 2004

Distribution Based on Gridded Data
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	448.93	1 901	49%	80	1 821	+12
Hume Reservoir	192.00	3 038	170.89	328	11%	30	298	+20
Lake Victoria	27.00	680	23.17	279	41%	100	179	+23
Menindee Lakes		1 603 *		330	21%	640 #	0	-2
Total		9 227		2 837	31%	850	2 297	+53

* Menindee surcharge capacity 1916 GL

% of Total Active MDBC Storage = 27%

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1 026	404	39%	3	401	+0
Blowering Reservoir	1 631	90	6%	24	66	+2
Eildon Reservoir	3 390	703	21%	100	603	+31

Snowy Mountains Scheme

Snowy diversions for week ending 06-Jul-2004

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2004
Lake Eucumbene - Total	1 842	+15	Snowy-Murray	+16	159
Snowy-Murray Component	854	-	Tooma-Tumut	+5	28
Target Storage	1 170		Nett Diversion	10.5	131
			Murray 1 Release	+21	188

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2004
Murray Irrig. Ltd (Net)	.0	.0
Wakool System loss	-1.2	- 1.2
Western Murray Irrig.	0.2	.2
Licensed Pumps	1.3	1.3
Lower Darling	0.1	.1
TOTAL	0.3	.3

Victoria	This week	From 1 July 2004
Yarrawonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	0.0	
Sunraysia Pumped Districts	0.0	
Licensed pumps - GMW (Nyah+u/s)	0.3	
Licensed pumps - SRW	1.9	2
TOTAL	2.1	2

Flow to South Australia (GL)

Entitlement this month	108.5	(3 500 ML/day)
Flow this week	24.6	
Flow so far this month	25	
Flow last month	90	

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2003
Swan Hill	110	100	100
Euston	100	100	120
Red Cliffs	90	90	120
Merbein	90	100	140
Burtundy (Darling)	340	340	1 740
Lock 9	170	160	180
Lake Victoria	260	270	250
Berri	330	330	280
Waikerie	-	-	380
Morgan	520	510	410
Mannum	470	460	430
Murray Bridge	460	470	480
Milang (Lake Alex.)	940	920	1 110
Poltalloch (Lake Alex.)	700	700	980
Meningie (Lake Alb.)	1 840	1 830	1 820
Goolwa Barrages	4 840	4 820	2 260

River Levels and Flows

River Murray	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)				
Khancoban	-	-	-	2 920	F	3 920	3 430
Jingellic	4.0	1.74	208.26	5 190	F	6 590	5 930
Tallandoon (Mitta Mitta River)	4.2	1.47	218.36	820	S	870	1 010
Heywoods	5.5	2.20	155.83	7 160	R	5 100	4 990
Doctors Point	5.5	2.46	150.93	8 120	R	6 400	6 380
Albury	4.3	1.45	148.89	-	-	-	-
Corowa	7.0	1.61	127.63	5 700	R	6 380	6 620
Yarrawonga Weir (d/s)	6.4	1.73	116.77	9 790	S	9 790	9 350
Tocumwal	6.4	2.23	106.07	10 260	F	10 180	9 650
Torrumbarry Weir (d/s)	7.3	2.66	81.21	8 150	S	8 010	7 600
Swan Hill	4.5	1.50	64.42	7 570	R	7 310	6 710
Wakool Junction	8.8	3.20	52.32	8 960	R	8 380	7 500
Euston Weir (d/s)	8.8	1.70	43.54	8 220	R	7 940	7 150
Mildura Weir (d/s)	-	-	31.06	8 230	F	8 110	7 180
Wentworth Weir (d/s)	7.3	3.00	27.76	7 150	R	7 080	6 040
Rufus Junction	-	2.89	19.82	3 090	S	3 140	2 310
Blanchetown (Lock 1 d/s)	-	-	-	2 590	R	2 470	2 660
Tributaries							
Kiewa at Bandiana	2.7	1.48	154.71	1 360	R	1 640	1 580
Ovens at Wangaratta	11.9	8.63	146.31	2 487	S	2 750	2 800
Goulburn at McCoys Bridge	9.0	1.20	92.62	450	R	440	470
Edward at Stevens Weir (d/s)	-	-	-	1 710	F	1 680	1 420
Edward at Liewah	-	2.00	57.38	1 350	R	930	570
Wakool at Stoney Crossing	-	0.50	54.99	485	S	470	430
Murrumbidgee at Balranald	5.0	0.57	56.53	283	R	280	310
Barwon at Mungindi	-	3.21	-	70	S	70	70
Darling at Bourke	-	4.04	-	191	R	190	210
Darling at Burtundy Rocks	-	0.69	-	61	S	60	90

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	7 300	7 820
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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
Yarrawonga	124.90	-0.22	-	No. 7 Rufus River	22.10	+0.07	+0.62
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.04	-0.03
No. 15 Euston	47.60	-0.01	-	No. 5 Renmark	16.30	+0.01	+0.11
No. 11 Mildura	34.40	+0.00	+0.26	No. 4 Bookpurnong	13.20	+0.04	+0.38
No. 10 Wentworth	30.80	+0.04	+0.36	No.3 Overland Corner	9.80	+0.02	+0.11
No. 9 Kulnine	27.40	+0.01	+0.07	No. 2 Waikerie	6.10	+0.00	+0.05
No. 8 Wangumma	24.60	+0.06	+0.12	No 1. Blanchetown	3.20	+0.02	-0.11

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht.		Flow (ML/day)
			local (m)	(m AHD)	
No. 7 Maude	75.40	-0.04	0.99	70.34	797
No. 5 Redbank	66.90	+0.11	0.14	61.44	261

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.58	All closed
Mundoo	26 openings	-	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.63	All closed



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