REPORT FOR THE WEEK ENDING

Wednesday, 4 July 2007

Our Ref : M2006/01015AS, PCB **6 July, 2007**
***Trim Ref :** 07/8830*

Rainfall and Inflows

Last week's good rainfall has been followed up by further showers across southern NSW and northeast Victoria. The Victorian and NSW Alpine region received between 50 and 100 mm of rain (*see map*), which has triggered moderate rises in some streams. The Ovens Catchment has shown the greatest response, with the Ovens River at Wangaratta increasing from 1 000 to 10 500 ML/day (minor flood level 25 000 ML/day) with further rises expected this weekend.

Inflow to Dartmouth Reservoir increased from 1 000 to 6 000 ML/day, and the storage volume rose by 20 GL to 523 GL (13.4% capacity). Stream responses in the Upper Murray have generally been less than in the other high country catchments. About half of the 47 GL improvement in storage at Hume Reservoir this week was from unregulated inflows with the other half being releases from Snowy Mountains Scheme. Downstream of Hume Reservoir the inflow from the Kiewa River has increased from 1 000 to 4 000 ML/day (6 July).

Other catchments within the Basin have also benefited from the rain over the past week. Storage in Burrinjuck Reservoir (Murrumbidgee River) increased from 29% to 36% capacity (increase of 90 GL) and storage in Lake Eildon (Goulburn River) has increased by 100 GL from 9% to 12% capacity.

River Murray System Operations

Release from Yarrawonga Weir has been increased from 2 500 to 9 500 ML/day (6 July) to pass the higher inflows from the Kiewa and Ovens Rivers. The flow through the Barmah-Millewa Forest will be near 'channel capacity' (10 500 ML/day) next week. As water availability along the River Murray System is still extremely low, a range of actions may be implemented during this event to minimise the extent of flooding and losses in the Barmah-Millewa Forest with the aim of conserving water resources for the three States. Although not normally implemented during winter and spring the following actions are regularly carried out during the summer months to minimise un-seasonal flooding of the forest.

The water level of Lake Mulwala is expected to be temporarily surcharged above the Full Supply Level and water may also be diverted through the main irrigation canal system and back into the river further downstream, thereby by-passing the forest. If flooding of the Barmah-Millewa Forest is unavoidable, then the forest regulators will be opened strategically to minimise losses. In addition, flows into the Gulpa Creek and Edward River are being increased to the maximum channel capacity flow rates of 350 and 1 600 ML/day respectively, to minimise potential for overbank flooding.

Storage in Lake Victoria has increased this week by 17 GL to 43 % capacity as a result of inflows from the rain in late May. The flow to South Australia has been steady at about 1 200 ML/day and the flow past Lock 1 has increased from 100 to 300 ML/day.

June Summary

Rainfall for June 2007 was average to above average across the eastern and northern parts of the Basin (see attached map) but very dry in the central and west. Total inflow to the River Murray System during June was 212 GL. Whilst this is double the record low June inflow recorded last year, it is less than one half of the median June inflow of 470 GL and well below the long-term average June inflow of 830 GL.

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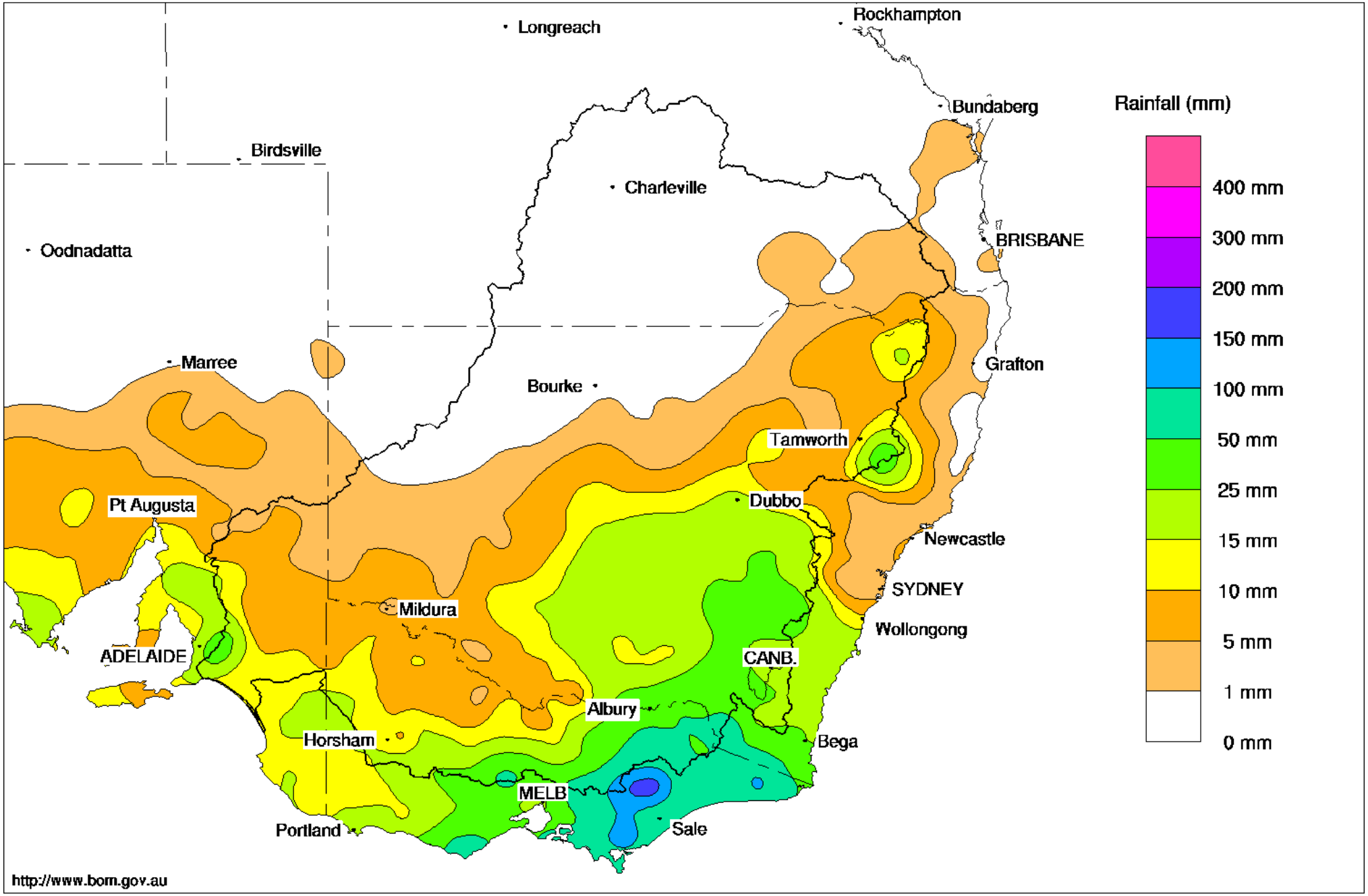
Murray Darling Rainfall Analysis (mm) Week Ending 4th July 2007

Product of the National Climate Centre



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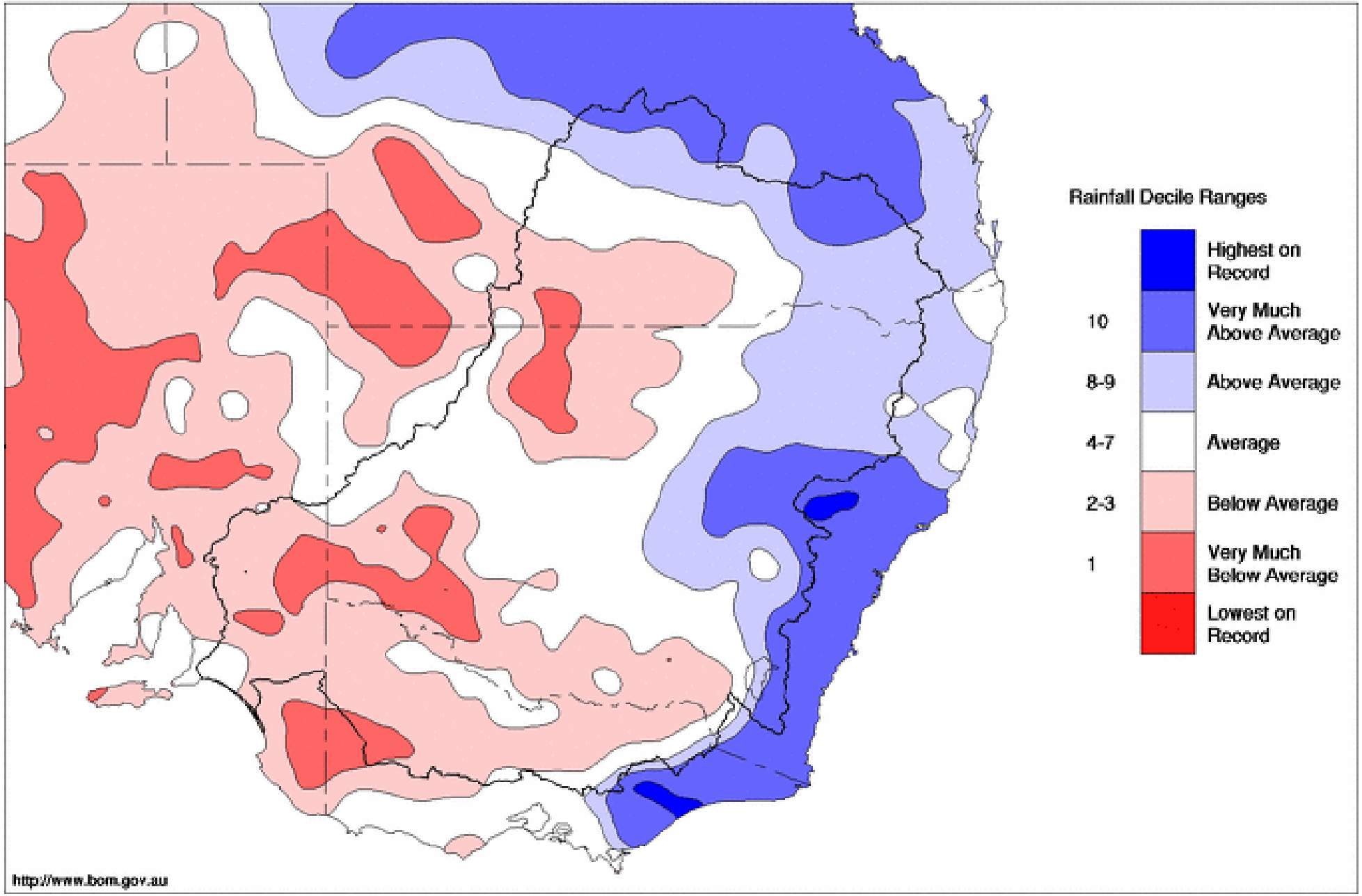
Murray Darling Rainfall Deciles June 2007

Distribution Based on Gridded Data
Product of the National Climate Centre



Issued: 04/07/2007

Week ending Wednesday 04 Jul 2007

Water in Storage

MDBC Storages	Full Supply Level	Full Supply Volume	Current Storage Level	Current Storage		Dead Storage	MDBC Active Storage	Change in Storage for the week
	(m AHD)	(GL)	(m AHD)	(GL)	%	(GL)	(GL)	(GL)
Dartmouth Reservoir	486.00	3 906	403.32	523	13%	80	443	+20
Hume Reservoir	192.00	3 038	172.28	424	14%	30	394	+47
Lake Victoria	27.00	677	23.49	293	43%	100	193	+17
Menindee Lakes		1 731 *		94	5%	(- -) #	0	-1
Total		**9 352**		**1 334**	**14%**	**- -**	**1 031**	**+84**

* Menindee surcharge capacity 2050 GL % of Total Active MDBC Storage = **12%**

\# 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		366	36%	3	363	+90
Blowering Reservoir	1 631		395	24%	24	371	+21
Eildon Reservoir	3 390		396	12%	100	296	+101

Snowy Mountains Scheme

Snowy diversions for week ending 03-Jul-2007

Storage	Active storage (GL)	Weekly change (GL)	Diversion (GL)	This week	From 1 May 2007
Lake Eucumbene - Total	55	+1	Snowy-Murray	+24	181
Snowy-Murray Component	127	-0	Tooma-Tumut	+4	16
Target Storage	1 170		Nett Diversion	20.1	165
			Murray 1 Release	+21	214

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July 2007
Murray Irrig. Ltd (Net)	.0	.0
Wakool System loss	0.5	.2
Western Murray Irrig.	0.2	.0
Licensed Pumps	n/a	.0
Lower Darling	0.0	.0
TOTAL	**0.7**	**.2**

Victoria	This week	From 1 July 2007
Yarrawonga Main Channel (net)	.0	
Torrumbarry System + Nyah (net)	0.0	
Sunraysia Pumped Districts	0.3	
Licensed pumps - GMW (Nyah+u/s)	3.8	2
Licensed pumps - LMW	0.3	
TOTAL	**4.4**	**2**

Flow to South Australia (GL)

Entitlement this month	109 *	
Flow this week	8.1	(1 200 ML/day)
Flow so far this month	5	
Flow last month	29	

* Reduced to approx. 33 GL during July drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

	Current	Average over the last week	Average since 1 August 2006
Swan Hill	110	100	70
Euston	100	90	100
Red Cliffs	-	150	120
Merbein	170	170	120
Burtundy (Darling)	1 090	1 090	920
Lock 9	170	170	130
Lake Victoria	190	190	170
Berri	490	470	270
Waikerie	540	540	350
Morgan	540	530	380
Mannum	450	440	430
Murray Bridge	550	520	450
Milang (Lake Alex.)	1 890	1 950	1 370
Poltalloch (Lake Alex.)	1 670	1 700	1 240
Meningie (Lake Alb.)	2 570	2 590	2 360
Goolwa Barrages	15 900	15 590	5 570

MURRAY-DARLING BASIN COMMISSION

Week ending Wednesday 04 Jul 2007

River Levels and Flows

River Murray	Minor Flood stage (m)	Gauge height local (m)	Gauge height (m AHD)	Flow (ML/day)	Trend	Average flow this week (ML/day)	Average flow last week (ML/day)
Khancoban	-	-	-	3 860	R	3 690	5 420
Jingellic	4.0	1.77	208.29	5 230	R	5 870	6 040
Tallandoon (Mitta Mitta River)	4.2	1.42	218.31	650	R	520	400
Heywoods	5.5	1.06	154.69	410	F	410	400
Doctors Point	5.5	1.59	150.06	1 640	R	1 580	1 330
Albury	4.3	0.74	148.18	-	-	-	-
Corowa	7.0	0.57	126.59	1 500	F	1 460	1 520
Yarrawonga Weir (d/s)	6.4	1.04	116.08	5 230	S	3 740	2 390
Tocumwal	6.4	1.42	105.26	4 890	R	3 020	2 520
Torrumbarry Weir (d/s)	7.3	1.05	79.60	2 380	R	2 450	2 770
Swan Hill	4.5	0.67	63.59	2 300	F	2 400	3 270
Wakool Junction	8.8	1.67	50.79	3 050	R	3 100	4 490
Euston Weir (d/s)	8.8	0.68	42.52	3 020	R	3 430	5 250
Mildura Weir (d/s)		-	34.41	3 360	F	3 610	4 930
Wentworth Weir (d/s)	7.3	2.84	27.60	3 010	F	3 580	4 650
Rufus Junction	-	2.42	19.35	680	R	650	620
Blanchetown (Lock 1 d/s)	-	0.23	-	260	F	250	380
Tributaries							
Kiewa at Bandiana	2.7	1.51	154.74	1 367	R	1 400	1 200
Ovens at Wangaratta	11.9	9.24	146.92	4 530	R	3 260	770
Goulburn at McCoys Bridge	9.0	1.12	92.54	338	S	340	340
Edward at Stevens Weir (d/s)	-	0.86	80.63	610	F	630	200
Edward at Liewah	-	0.59	55.97	259	R	240	230
Wakool at Stoney Crossing	-	0.26	54.75	160	S	150	100
Murrumbidgee at Balranald	5.0	0.43	56.39	172	R	180	180
Barwon at Mungindi	-	3.23	-	85	R	20	10
Darling at Bourke	-	3.94	-	10	S	10	20
Darling at Burtundy Rocks	-	0.64	-	6	R	0	10

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	7 530	3 000

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	-0.12	-	No. 7 Rufus River	22.10	-0.08	+0.10
No 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	-0.05	-0.06
No. 15 Euston	47.60	+0.01	-	No. 5 Renmark	16.30	+0.00	+0.02
No. 11 Mildura	34.40	+0.00	+0.06	No. 4 Bookpurnong	13.20	+0.01	+0.13
No. 10 Wentworth	30.80	+0.01	+0.20	No.3 Overland Corner	9.80	+0.03	+0.13
No. 9 Kulnine	27.40	+0.02	+0.22	No. 2 Waikerie	6.10	+0.02	+0.03
No. 8 Wangumma	24.60	+0.24	-0.06	No 1. Blanchetown	3.20	+0.04	-0.52

Murrumbidgee	FSL (m AHD)	relation to FSL	d/s gauge ht. local (m)	d/s gauge ht. (m AHD)	Flow (ML/day)
No. 7 Maude	75.40	-4.56	0.66	70.01	355
No. 5 Redbank	66.90	-4.10	0.1	61.4	228

Lower Lakes

FSL = 0.75 m AHD

	(m AHD)
Lake Alexandrina average level for the past 5 days	0.17

Barrages

Fishways @ Barrages

	Openings	Level (m AHD)	Status	Rock Ramp	Vertcal Slot
Goolwa	128 openings	-0.10	All closed	-	Closed
Mundoo	26 openings	0.00	All closed	-	-
Boundary Creek	6 openings	-	All closed	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwitchere	322 gates	0.07	All closed	Closed	Closed

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