

REPORT FOR THE **TWO WEEKS** ENDING

Wednesday, 2 January 2002

Our Ref : MDBC:269 :ng

3 January, 2002



Conditions were mostly dry across the Murray-Darling Basin in the week ending 26 December 2001. Light falls of rain were recorded in the week ending 2 January in the northern and southern portions of the basin however these falls have had negligible impact on streamflows.

Release from Dartmouth Reservoir has been gradually reduced over the Christmas-New Year period and is currently being maintained at 1 000 ML/day. Storage in Dartmouth Reservoir is currently 3 345 GL (86% of capacity) and falling very slowly. The release program from Dartmouth will be reviewed over the coming weeks and any changes to release rates will be notified.

Release from Hume Dam has averaged about 21 000 ML/day for the last two weeks and consequently storage in Hume Reservoir has fallen significantly. Storage in Hume is currently 1 950 GL (64% of capacity) compared to 2 380 GL at this time last year.

Diversion from Lake Mulwala averaged about 12 000 ML/day (about 90% of capacity) over the last two weeks and release from Yarrawonga Weir has been kept steady at about 10 400 ML/day. It is expected that release from Yarrawonga is likely to remain near these levels over the coming weeks.

In the Edward River system, flow downstream of Stevens Weir has averaged about 1 400 ML/day and is expected to remain at, or above, this level over the coming week. An arrangement between River Murray Water, DLWC and Murray Irrigation Limited (MIL) is currently allowing an additional 400 ML/day to be passed through MIL channel systems to the Wakool River system. This water is being passed by the Wakool and Yallakool Escapes and will provide additional capacity to help meet the high summer demands on the River Murray between Torrumbarry and Wentworth weirs.

Diversion from Torrumbarry Weir to National Channel has averaged 3 800 ML/day (close to capacity) for the last two weeks. Additional water being supplied by Victoria from Lake Mokoan is currently maintaining the flow from the Goulburn River at about 800 ML/day and is assisting in meeting high demands in the reach from Torrumbarry to Wentworth Weirs.

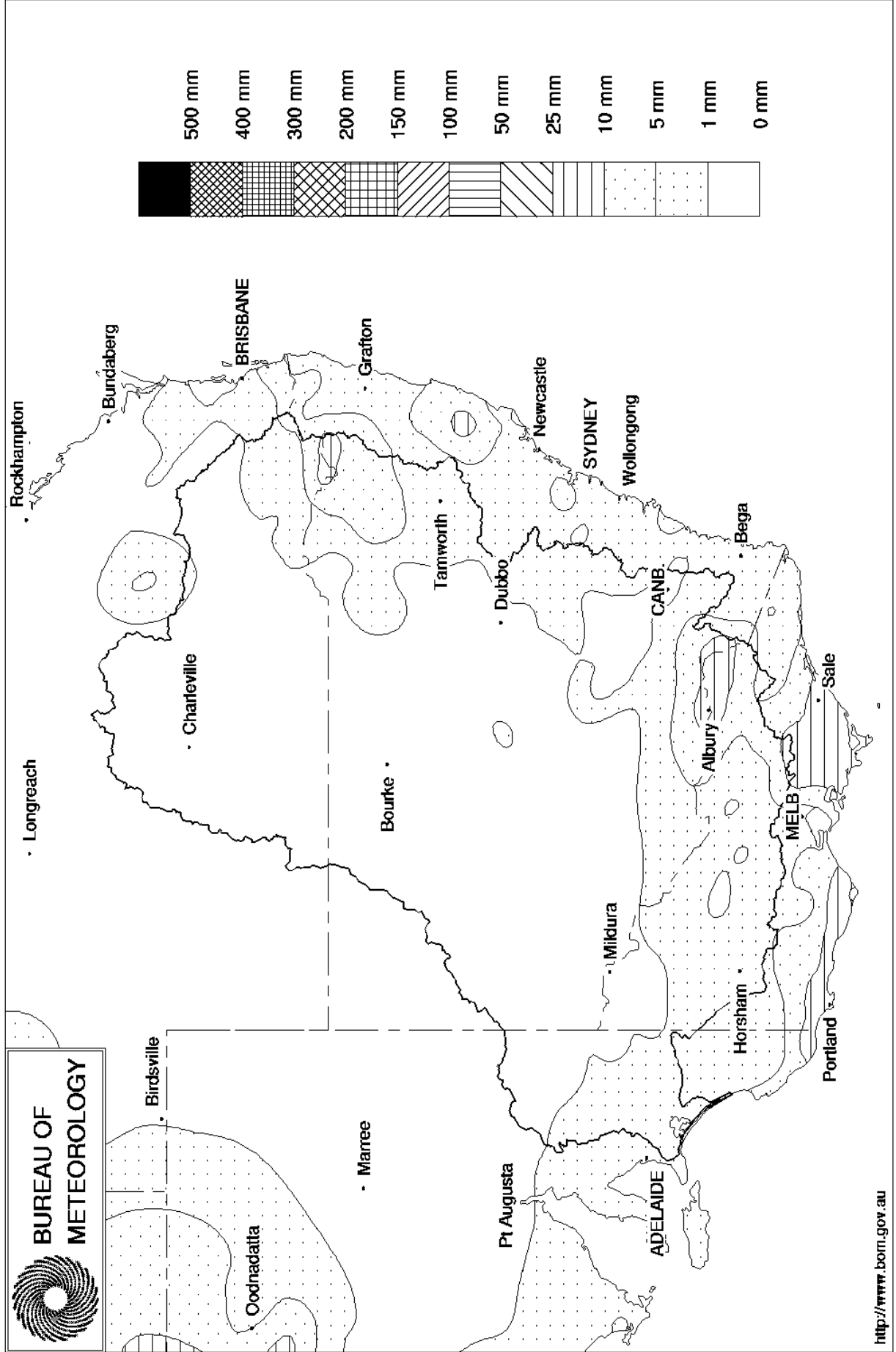
The Euston Weir pool was used over the Christmas-New Year period to assist in meeting demands downstream in Sunraysia. The pool level is currently 47.47 m AHD (or 0.13 m below Full Supply Level) and is likely to remain at about this level next week. If hotter conditions ensue, and hence demands and losses increase, it will be necessary to draw further on Euston Weir pool. Flow downstream of Euston was increased to a pulse of 3 600 ML/day, and will be reduced to 3 200 ML/day early next week.

On the Darling River, release from Menindee Lakes is gradually receding as the lake levels fall. Flow at Weir 32 is currently about 5 200 ML/day and reducing by about 150 ML/day each day. The total volume in storage is currently about 818 GL and without significant rain in northern New South Wales and southern Queensland will continue to fall during January and February. RMW and DLWC have taken every possible opportunity to conserve water in Lakes Wetherell and Pamamaroo over the last few months, ensuring that the highest possible share of storage in the Menindee Lakes system is contained in these two lakes, without compromising downstream water availability.

Flow to South Australia is being maintained at the January requirement of 7 000 ML/day. Storage in Lake Victoria is 580 GL and falling slowly and is expected to continue to slowly fall over the coming weeks unless there is a significant improvement in flows upstream.

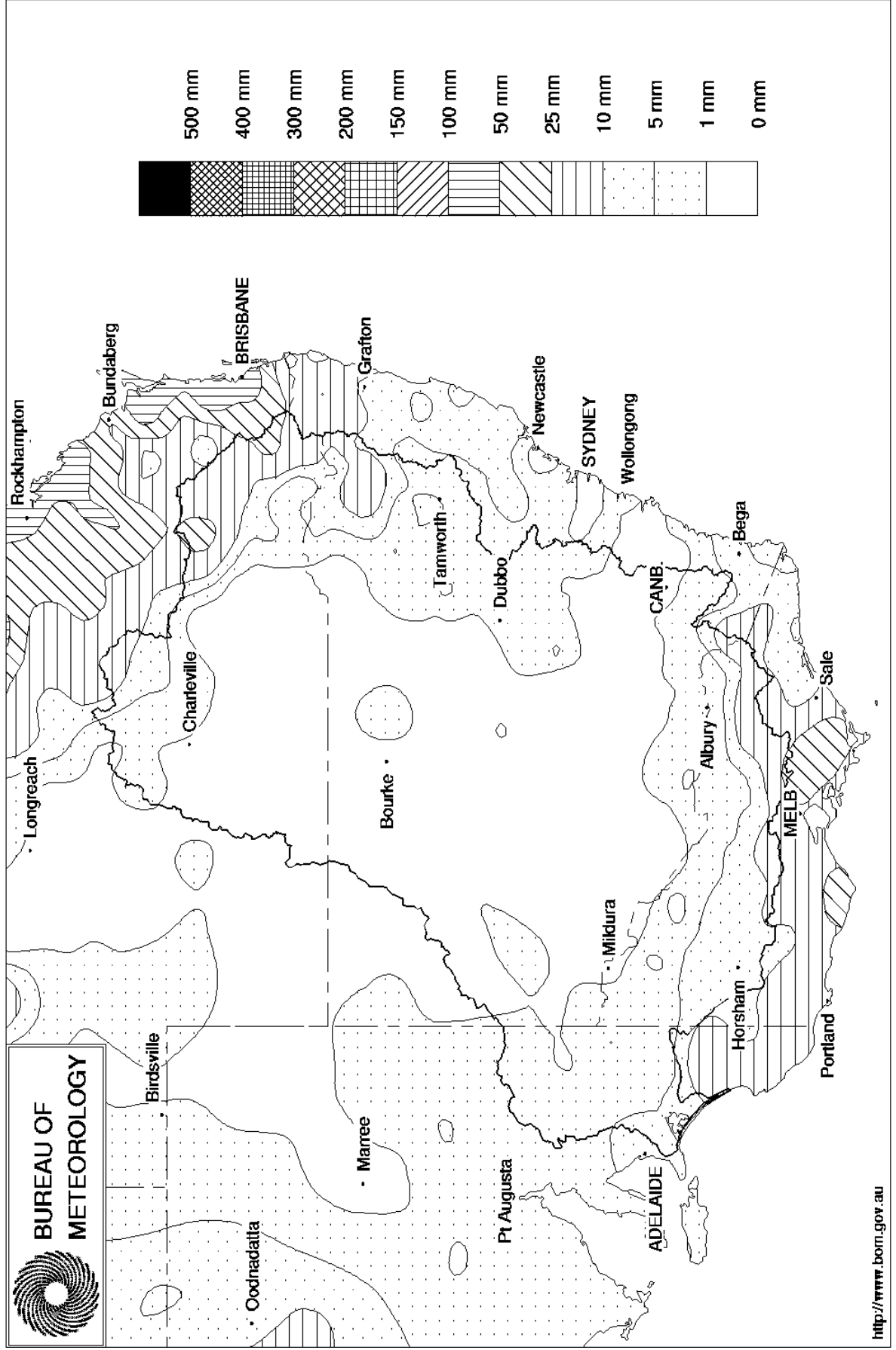
DAVID DOLE
General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 26th December 2001
 Product of the National Climate Centre



Murray Darling Rainfall Analysis (mm) Week Ending 2nd January 2002

Product of the National Climate Centre



Week ending 26-Dec-2001

Water in Storage

MDBC Storages	Full Supply Level m AHD	Full Supply Capacity GL	Storage Level m AHD	Current Storage		Dead storage GL	Active storage GL	Change for the week GL
				GL	%			
Dartmouth Reservoir	486.00	3906	477.19	3354	86%	80	3274	-24
Hume Reservoir	192.00	3038	186.57	2059	68%	30	2029	-108
Lake Victoria	27.00	680	26.17	588	86%	100	488	-12
Menindee		1682 *		880	52%	480 #	400	-68
Total		9306		6881	74%	690	6191	-212

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **72%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	354	34%	3	351	-47
Blowering Reservoir	1631	739	45%	24	715	-40
Eildon Reservoir	3390	1295	38%	100	1195	-51

Snowy Mountains Scheme

Snowy diversions for week ending 25-Dec-2001

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	3176	-21	Snowy-Murray	+14	495
Snowy-Murray Component	1459	-7	Tooma-Tumut	+2	209
Target Storage	1510		Nett Diversion	12.0	286
			Murray 1 Release	+14	774

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	57.5	713.3
Wakool System loss	2.2	17.0
Western Murray Irrig.	1.2	11.9
Licensed Pumps	11.6	158.9
Lower Darling	5.6	37.5
TOTAL	78.2	938.5

Victoria	This week	From 1 July
Yarrowonga Main Channel (net)	20.4	236.6
Torrumbarry System + Nyah (net)	27.2	389.9
Sunraysia Pumped Districts	7.2	70.7
Licensed pumps - GMW (Nyah+u/s)	2.5	34.0
Licensed pumps - SRW	5.8	94.9
TOTAL	63.1	826.0

Flow to South Australia (GL)

Entitlement this month	217
Flow this week	49.0
Flow so far this month	185
Flow last month	221

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	190	172	230
Euston	220	198	247
Red Cliffs	260	260	316
Merbein	290	290	300
Burtundy	490	494	429
Lock 9	480	451	382
L. Victoria	410	410	374
Berri	490	472	432
Waikerie	-	570	528
Morgan	590	596	523
Mannum	540	530	509
Murray Bridge	550	544	550
Meningie	1190	1150	1173
Goolwa Barrages	1550	1406	1309



River Levels and Flows

	Minor Flood stage	Gauge height	Flow	Trend	Average flow this week	Average flow last week
River Murray	m	m	ML/day		ML/day	ML/day
Khancoban	-	-	2100	F	2200	2400
Jingellic	4.0	1.59	4040	S	4130	4280
Tallandoon (Mitta Mitta River)	4.2	2.10	3200	F	4310	4700
Heywoods	5.5	3.43	21080	F	22410	18590
Doctors Point	5.5	3.63	21900	F	23660	20240
Albury	4.3	2.69	-	F	-	-
Corowa	7.0	4.14	24400	S	23540	20030
Yarrowonga Weir (d/s)	6.4	1.79	10400	F	10440	9970
Tocumwal	6.4	2.31	9904	F	9850	9300
Torrumbarry Weir (d/s)	7.3	1.41	3584	R	3260	3650
Stevens Weir (d/s)		1.55	1460	R	1369	1730
Swan Hill	4.5	0.73	2310	R	2320	2510
Wakool Junction	8.8	2.04	3983	R	4050	4060
Euston Weir (d/s)	8.8	0.94	3660	R	3290	3560
Wentworth Weir (d/s)	7.3	3.02	7110	R	6890	7260
Rufus Junction	-	3.56	6856	R	6680	6090
Blanchetown (Lock 1 d/s)	-	-	3950	S	4080	4960
Tributaries						
Kiewa at Bandiana	2.7	0.89	470	F	960	1200
Ovens at Wangaratta	11.9	7.94	613	R	670	910
Goulburn at McCoys Bridge	9.0	1.34	670	R	470	600
Edward at Liewah	-	2.21	1640	F	1760	1640
Wakool at Stoney Crossing	-	0.34	230	R	230	260
Murrumbidgee at Balranald	5.0	0.51	240	R	230	240
Darling at Bourke	-	4.17	780	S	760	760
Darling at Burtundy Rocks	-	3.39	6120	S	6060	5890
Barwon at Mungindi	-	3.26	150	F	120	320

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	2590	4550
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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	-0.02	-	No. 7 Rufus River	22.10	+0.05	+1.25
No 26 Torrumbarry	86.05	-0.01	-	No. 6 Murtho	19.25	+0.04	+0.14
No. 15 Euston	47.60	-0.07	-	No. 5 Renmark	16.30	+0.02	+0.22
No. 11 Mildura	34.40	+0.08	+0.06	No. 4 Bookpurnong	13.20	+0.05	+0.70
No. 10 Wentworth	30.80	+0.05	+0.38	No.3 Overland Corner	9.80	+0.01	+0.20
No. 9 Kulnine	27.40	+0.05	+0.01	No. 2 Waikerie	6.10	+0.01	+0.15
No. 8 Wangumma	24.60	+0.00	+0.07	No 1. Blanchetown	3.20	+0.00	+0.10

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.62	0.66	355
No. 5 Redbank	66.90	-0.56	0.19	305

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.64	All closed
Mundoo	26 openings	0.66	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.64	All closed



Water in Storage

MDBC Storages	Full Supply Level m AHD	Full Supply Capacity GL	Storage Level m AHD	Current Storage		Dead storage GL	Active storage GL	Change for the week GL
				GL	%			
Dartmouth Reservoir	486.00	3906	477.05	3345	86%	80	3265	-8
Hume Reservoir	192.00	3038	185.87	1950	64%	30	1920	-109
Lake Victoria	27.00	680	26.10	580	85%	100	480	-8
Menindee		1682 *		818	49%	480 #	338	-62
Total		9306		6693	72%	690	6003	-187

* Menindee surcharge capacity 1999 GL

% of Total Active MDBC Storage = **70%**

NSW Menindee Lakes Reserve

Major State Storages

Burrinjuck Reservoir	1026	313	30%	3	310	-41
Blowering Reservoir	1631	675	41%	24	651	-64
Eildon Reservoir	3390	1246	37%	100	1146	-49

Snowy Mountains Scheme

Snowy diversions for week ending 01-Jan-2002

Storage (GL)	Current storage	Weekly change	Diversion	This week	From 1st May
Lake Eucumbene - Total	3173	-4	Snowy-Murray	+13	508
Snowy-Murray Component	1451	-	Tooma-Tumut	+2	211
Target Storage	1520		Nett Diversion	11.0	297
			Murray 1 Release	+14	788

Major Diversions from Murray and Lower Darling (GL)

New South Wales	This week	From 1 July
Murray Irrig. Ltd (Net)	55.0	768.2
Wakool System loss	2.0	18.9
Western Murray Irrig.	1.2	13.1
Licensed Pumps	11.7	169.9
Lower Darling	6.7	43.5
TOTAL	76.6	1013.6

Victoria	This week	From 1 July
Yarrowonga Main Channel (net)	19.2	255.8
Torrumbarry System + Nyah (net)	26.1	416.0
Sunraysia Pumped Districts	7.1	77.2
Licensed pumps - GMW (Nyah+u/s)	2.0	36.0
Licensed pumps - SRW	5.8	100.7
TOTAL	60.3	885.7

Flow to South Australia (GL)

Entitlement this month	217
Flow this week	49.0
Flow so far this month	14
Flow last month	220

Salinity (EC)

(microsiemens/cm @ 25 C)

	Current	Average over the last week	Average since 1 August
Swan Hill	140	130	226
Euston	200	219	246
Red Cliffs	280	260	314
Merbein	280	280	299
Burtundy	500	503	432
Lock 9	460	468	386
L. Victoria	420	415	376
Berri	500	504	435
Waikerie	-	-	528
Morgan	580	587	526
Mannum	550	546	511
Murray Bridge	570	562	550
Meningie	1320	1270	1176
Goolwa Barrages	1750	1489	1318



River Levels and Flows

	Minor Flood stage m	Gauge height m	Flow ML/day	Trend	Average flow this week ML/day	Average flow last week ML/day
River Murray						
Khancoban	-	-	3010	R	2330	2200
Jingellic	4.0	1.51	3440	S	3590	4130
Tallandoon (Mitta Mitta River)	4.2	1.68	1530	F	2170	4310
Heywoods	5.5	3.30	19410	S	20260	22410
Doctors Point	5.5	3.51	20400	R	20960	23660
Albury	4.3	2.55	-	F	-	-
Corowa	7.0	3.71	20900	F	22160	23540
Yarrawonga Weir (d/s)	6.4	1.79	10400	S	10400	10440
Tocumwal	6.4	2.30	9835	S	9850	9850
Torrumbarry Weir (d/s)	7.3	1.57	4110	R	4120	3260
Stevens Weir (d/s)	-	1.48	1380	S	1390	1369
Swan Hill	4.5	0.85	3040	S	2780	2320
Wakool Junction	8.8	2.17	4430	R	4090	4050
Euston Weir (d/s)	8.8	0.93	3610	R	3300	3290
Wentworth Weir (d/s)	7.3	3.03	7015	R	7210	6890
Rufus Junction	-	3.52	6617	S	6580	6680
Blanchetown (Lock 1 d/s)	-	-	4170	S	4140	4080
Tributaries						
Kiewa at Bandiana	2.7	1.11	770	R	590	960
Ovens at Wangaratta	11.9	7.84	437	F	620	670
Goulburn at McCoys Bridge	9.0	1.43	799	R	740	470
Edward at Liewah	-	1.81	1200	F	1370	1760
Wakool at Stoney Crossing	-	0.33	215	R	230	230
Murrumbidgee at Balranald	5.0	0.46	200	S	210	230
Darling at Bourke	-	-9.00	-9	F	780	760
Darling at Burtundy Rocks	-	3.19	5650	F	5880	6060
Barwon at Mungindi	-	3.27	170	F	200	120

Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme)	3440	2590
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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	+0.06	-	No. 7 Rufus River	22.10	+0.05	+1.21
No. 26 Torrumbarry	86.05	+0.00	-	No. 6 Murtho	19.25	+0.03	+0.12
No. 15 Euston	47.60	-0.13	-	No. 5 Renmark	16.30	+0.02	+0.21
No. 11 Mildura	34.40	+0.03	+0.04	No. 4 Bookpurnong	13.20	+0.03	+0.70
No. 10 Wentworth	30.80	+0.02	+0.39	No.3 Overland Corner	9.80	+0.01	+0.19
No. 9 Kulnine	27.40	+0.05	+0.02	No. 2 Waikerie	6.10	+0.02	+0.12
No. 8 Wangumma	24.60	+0.03	+0.06	No 1. Blanchetown	3.20	+0.01	+0.07

Murrumbidgee	FSL (M AHD)	relation to FSL	d/s gauge ht. metres	Flow ML/day
No. 7 Maude	75.40	-0.62	0.75	457
No. 5 Redbank	66.90	-0.98	0.16	278

Barrages

FSL = 0.75 m AHD

	Openings	Level	Status
Goolwa	128 openings	0.54	All closed
Mundoo	26 openings	0.68	All closed
Boundary Creek	6 openings	-	All closed
Ewe Island	111 gates	-	All closed
Tauwichee	322 gates	0.61	All closed

