



# RIVER MURRAY WEEKLY REPORT

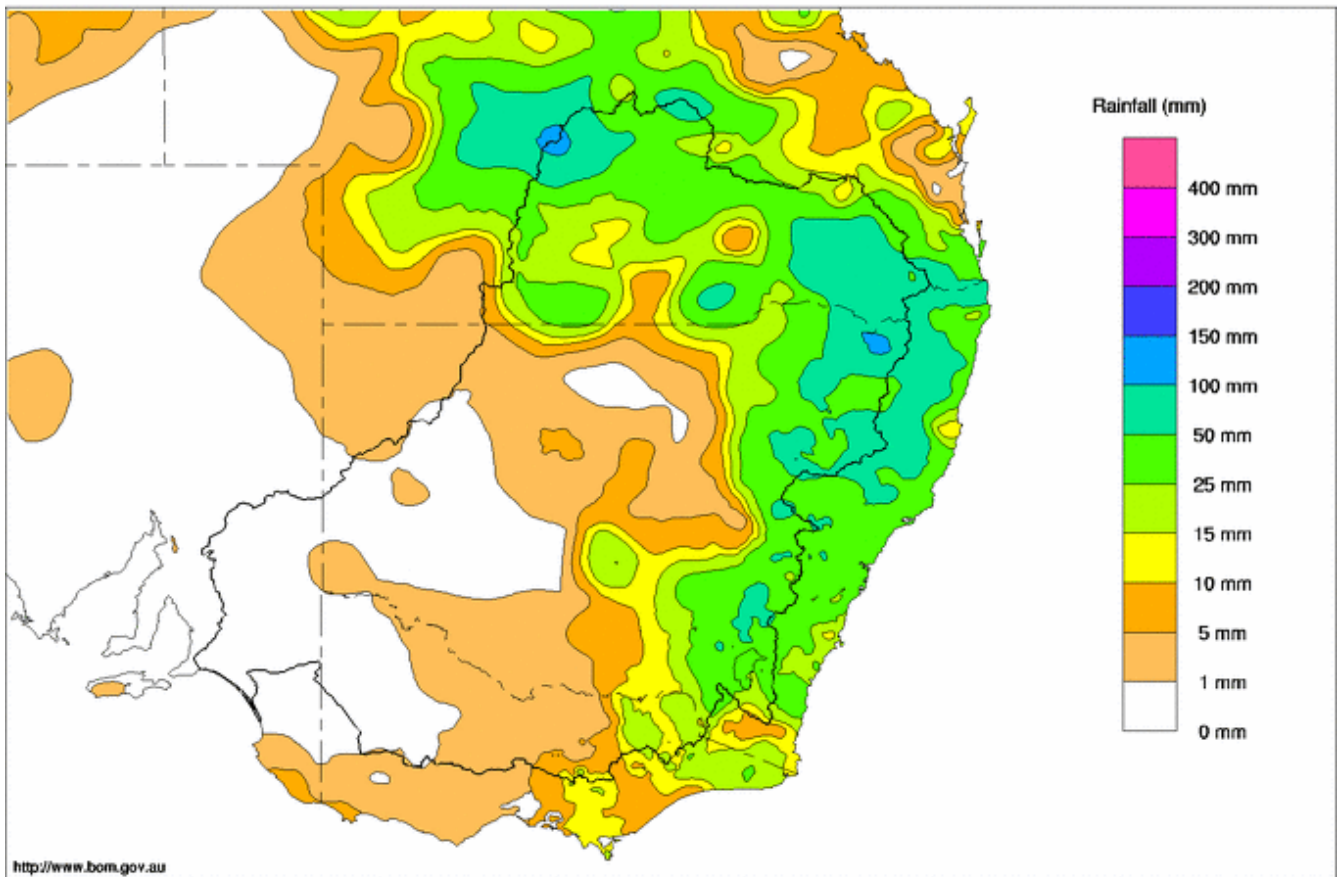
FOR THE WEEKS ENDING WEDNESDAY, 26<sup>TH</sup> DECEMBER 2012 & 2<sup>ND</sup> JANUARY 2013

Trim Ref: D12/52143

## Rainfall and Inflows

In the week ending 26 December 2012, showers and thunderstorms were a feature of the weather in south-eastern Australia. This resulted in rainfall totals over 25 mm for much of southern Queensland and eastern New South Wales (Map 1). Notable totals in Queensland were 99 mm at Texas in the Darling Downs, 77 mm at Augathella in the Warrego catchment and 53 mm at Munnaweena in the Maranoa catchment. In New South Wales 115 mm was recorded at Woolbrook and 99 mm at Pindari Dam on the northwest slopes, 89 mm at Glen Innes AP AWS on the northern tablelands, 70 mm at Mudgee AP AWS and 68 mm at Bathurst on the central tablelands, and 45 mm at Gunning on the southern tablelands.

Murray-Darling Rainfall Totals (mm) Week Ending 26th December 2012  
Product of the National Climate Centre



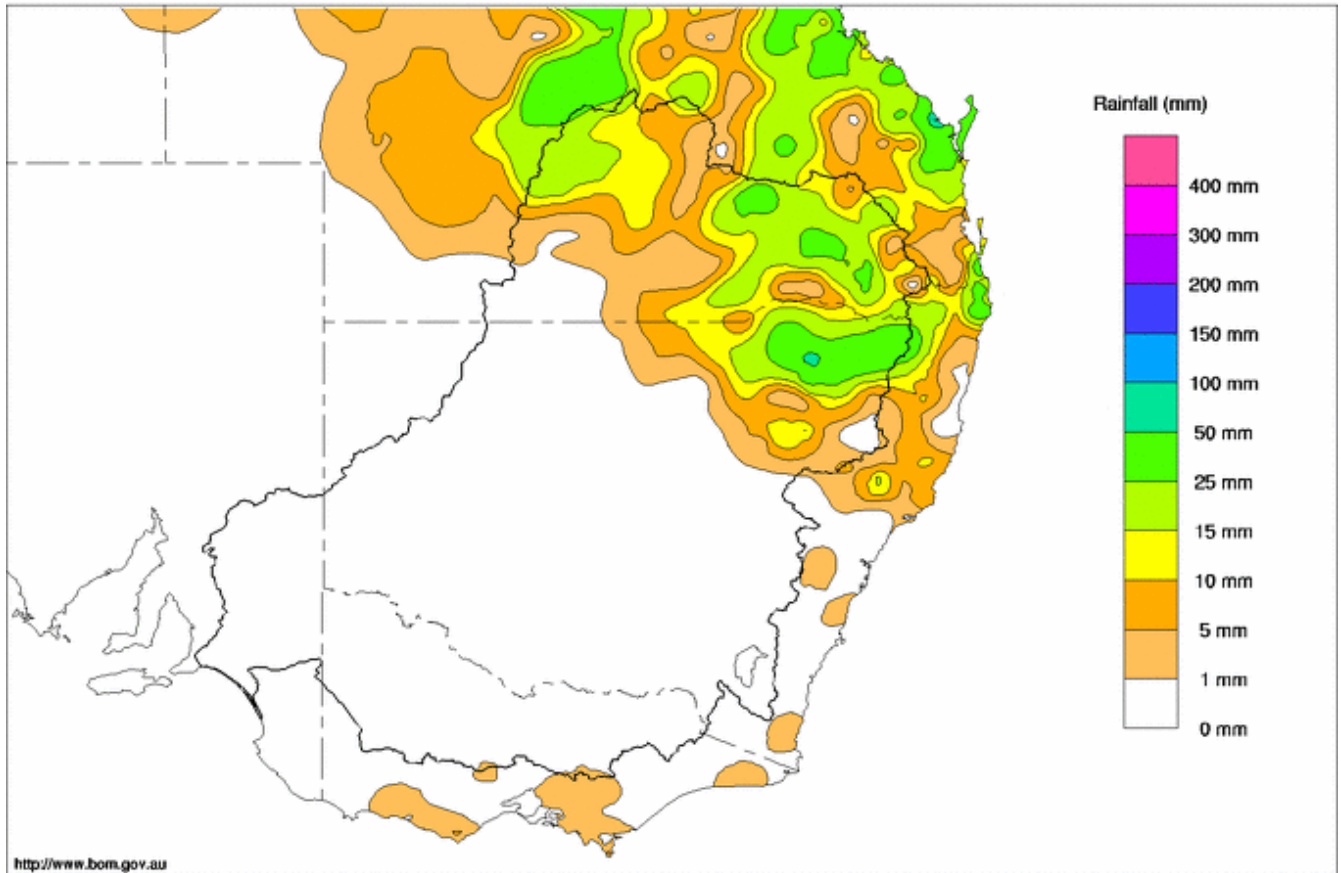
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Issued: 26/12/2012

Map 1 - Murray-Darling Basin rainfall for the week ending 26 December 2012 (Source: Bureau of Meteorology)

The following week (ending 2 January 2013) was considerably drier (Map 2). Earlier this week showers and thunderstorms persisted in southern Queensland and north-eastern New South Wales. In Queensland 52 mm was recorded at Fairfield in the Maranoa catchment, 34 mm at Nindigully in the Warrego catchment and 30 mm at Southwood in the Darling Downs. In New South Wales 50 mm was recorded at Pallamallawa on the northwest plains, 47 mm at Inverell on the northern tablelands and 42 mm at Gravesend on the northwest slopes. Elsewhere in the Basin and in the second half of this week conditions were dry across the Basin. Conditions are forecast to be dry and very hot for the coming week.



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Map 2 - Murray-Darling Basin rainfall for the week ending 2 January 2013 (Source: Bureau of Meteorology)

In the upper Murray tributaries, flows have been receding over the last two weeks, although there were some brief small increases in flow at some sites following the rain prior to Christmas. On the Mitta Mitta River, the flow at Hinnomunjie has receded from around 450 ML/day to 220 ML/day. On the Ovens River, the flow at Rocky Point averaged around 700 ML/day in the week prior to Christmas, but has now receded to 380 ML/day. Flows at many sites in the upper Murray tributaries are now at their lowest levels since early 2010.

## December 2012 Summary

Rainfall across the Murray-Darling Basin in December 2012 was generally average or below average with areas of very much below average in inland NSW. Small parts of inland NSW recorded their lowest December total on record. Above average rainfall was recorded in parts of north-eastern NSW and south-eastern Queensland. (Map 3). Overall the month was the 37th driest December for the Basin in 113 years of records, with a total that was 38% below the historical average.

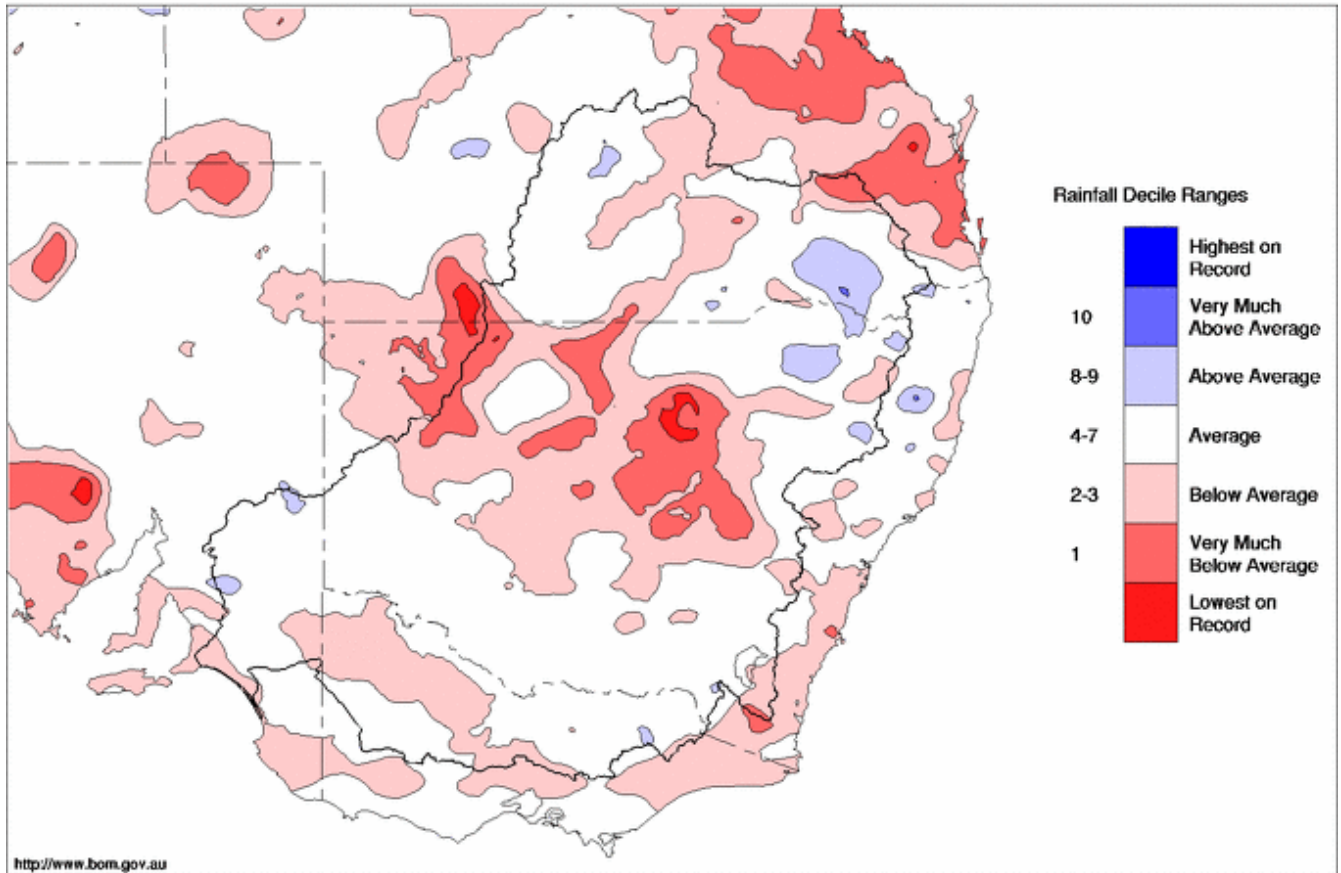
The recent trend of above average maximum temperatures continued during December. In most parts of the Basin, the maximum temperatures were 1-3 degrees Celsius above the long term monthly average. Minimum temperatures were also slightly higher, being 0-2 degrees Celsius above average.

Murray system inflows for December 2012 totalled around 300 GL, compared with 550 GL for December 2011 and the long term average for December of around 420 GL.



Murray-Darling Rainfall Deciles December 2012

Distribution Based on Gridded Data  
Product of the National Climate Centre



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

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Issued: 01/01/2013

Map 3 - Murray-Darling Basin rainfall deciles for December 2012 (Source: Bureau of Meteorology)

## 2012 Rainfall Summary

According to the Bureau of Meteorology, 2012 recorded near average rainfall and was Australia's 40th wettest year since the comparable historic record began in 1900 (Map 4).

The rainfall did not fall evenly throughout the year during 2012. Following on from 2010 and 2011 - the wettest two year period on record for Australia - the first three months of the year saw above average rainfall in the Basin.

During this period, record rainfall and system inflows took place. At the end of February and into early March, parts of southeast Australia recorded their wettest 7-day period on record. Record 7 day totals included 525 mm at Mount Buffalo, 442 mm at Thredbo Village, 362 mm at Batlow, 354 mm at Falls Creek, 346 mm at Chiltern and 329 mm at Burrinjuck Dam. The exceptionally heavy rainfall led to widespread flooding in the southern parts of NSW and northern Victoria, including the highest floods since 1974 at several locations.

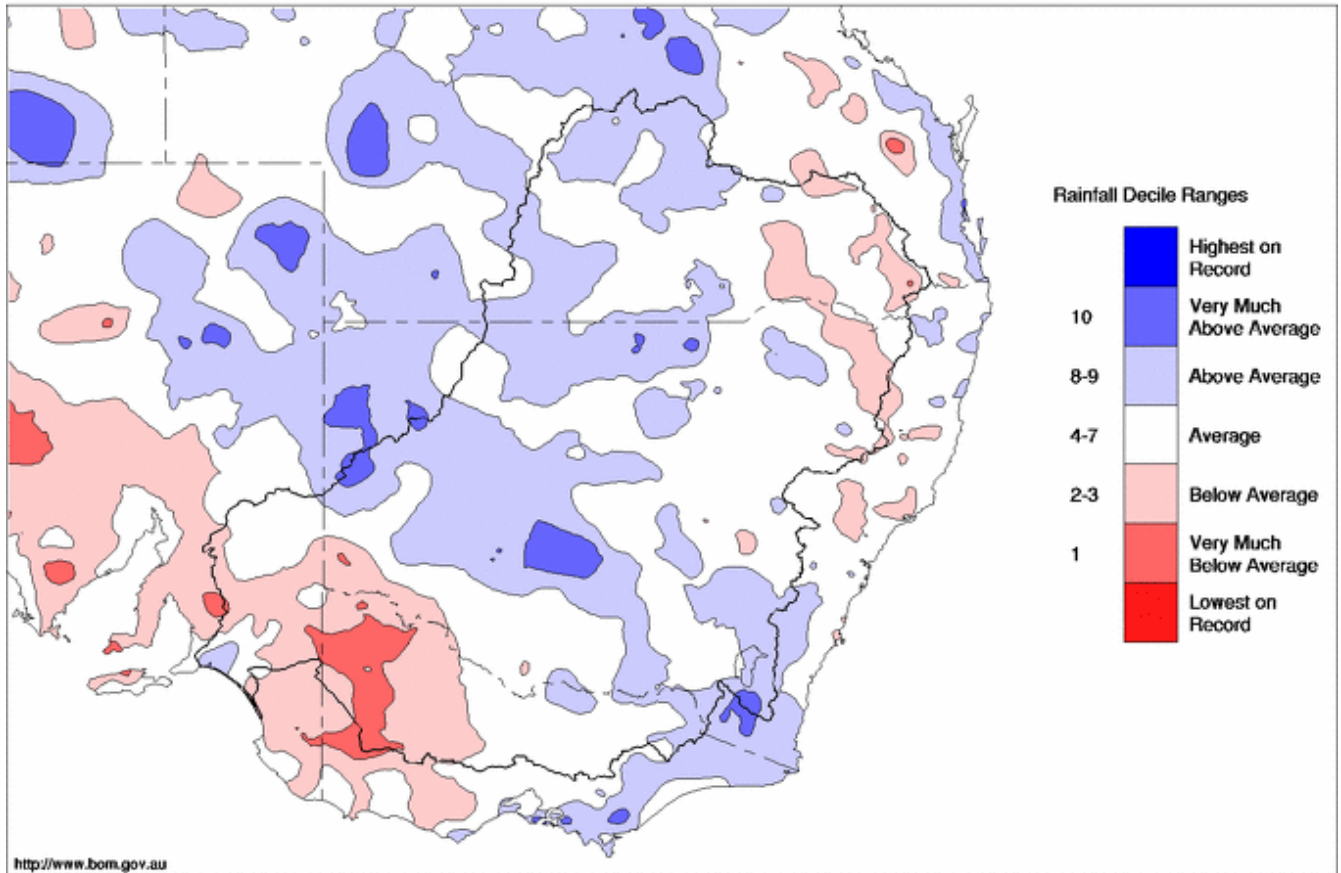
In the upper Darling catchment, there was a significant rainfall event in late January-early February that generated high flows in the Namoi, Gwydir, Moonie and Balonne/Culgoa/Bokhara river systems resulting in a peak flow in the Darling River at Bourke of 240,000 ML/day.

From April onwards rainfall was generally average or below average. Across the Basin, rainfall during winter was slightly below average and ranked 43rd driest out of 113 years of record. Rainfall during spring was considerably drier and ranked 11th driest.



Murray-Darling Rainfall Deciles 1 January to 31 December 2012

Distribution Based on Gridded Data  
Product of the National Climate Centre



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

© Commonwealth of Australia 2013, Australian Bureau of Meteorology ID code: AWAP

Issued: 01/01/2013

Map 4 - Murray-Darling Basin rainfall deciles for 1 January to 31 December 2012 (Source: Bureau of Meteorology)

## River Operations

MDBA active storage decreased by 416 GL over the past two weeks and is currently 7,403 GL, or 86% capacity. At Dartmouth Reservoir, the storage volume decreased by 7 GL and is 3,815 GL (99% capacity). The release, measured at Colemans, was around 600 ML/day until late in December, when it was briefly increased to around 2,600 ML/day. This 'pulse' aims to benefit the environment of the Mitta Mitta River. The release is currently at 600 ML/day.

At Hume Reservoir, the storage volume reduced by 213 GL to 2,362 GL (79% capacity). The release averaged around 14,600 ML/day last week, increasing to an average of 20,400 ML/day this week as conditions turned dry and irrigation demand increased.

At Yarrowonga Weir, total diversions at the irrigation offtakes increased this week to 76 GL, compared with around 60 GL/week over the last few weeks. The pool level in Lake Mulwala averaged 124.73 m AHD over the last two weeks, and ranged between 124.67 m AHD in late December when the pool was drawn down to supply additional demand at Mulwala Canal and the current level of 124.77 m AHD. The downstream release was around 7,500 ML/day for much of the last two weeks. The release reduced briefly to 6,000 ML/day late in December to help maintain Yarrowonga pool level, before increasing to the current rate of 9,100 ML/day. The release is expected to reduce to 8,500 ML/day in the coming week.



On the Edward River system, flow through the Edward and Gulpa offtakes has varied in response to demand and the effect of falling river levels in the River Murray. Inflow through the Edward Escape averaged around 1,200 ML/day last week and earlier this week before increasing to the current rate of 1,950 ML/day. Diversions to the Wakool Main Canal have gradually increased over the last two weeks from 1,700 ML/day to around 2,000 ML/day. Diversions to Wakool River and Yallakool Creek were around 100 ML/day and 220 ML/day respectively. The diversion to Colligen Creek reduced this week from an average of 160 ML/day last week to the current flow of 100 ML/day in an attempt to maximise the diversion to Wakool Main Canal. The diversion to Colligen Creek will return to the normal summer operating level of around 170 ML/day early next week. Flow downstream of Stevens Weir averaged around 670 ML/day over the last two weeks. The release fell below the normal summer operating minimum of 600 ML/day to around 450 ML/day for a week over the Christmas period due to higher than expected upstream demand, but has since increased and is currently 920 ML/day.

On the Goulburn River at McCoys Bridge, flows have ranged between 1,600 ML/day and 2,400 ML/day, averaging 2,000 ML/day as delivery of water traded from the Goulburn Valley to the Murray Valley continues. At Torrumbarry Weir, the diversion at National Channel averaged around 2,800 ML/day. Downstream of Torrumbarry Weir, the flow reduced from 6,400 ML/day to 4,800 ML/day last week and continues around this rate.

On the lower Murrumbidgee River, the flow at Balranald averaged 2,100 ML/day. The flow is expected to be around 1,500 ML/day next week. Downstream on the Murray at Euston the flow reduced from 9,000 ML/day to 7,200 ML/day, and is expected to continue receding to around 4,500 ML/day later next week.

Total storage at Menindee Lakes decreased by 153 GL over the past two weeks to 1,347 GL (78% capacity). The release (measured at Weir 32) was steady at 6,900 ML/day. The release will be reduced to 6,000 ML/day by Friday 4 January 2013 and will reduce further to 5,000 ML/day starting 10 January (see attached flow advice for details). Downstream on the lower Darling River, the flow at Burtundy slowly receded to 5,600 ML/day. On the River Murray at Wentworth, the flow reduced from 14,000 ML/day to 11,300 ML/day.

At Lake Victoria the volume reduced by 44 GL to 553 GL (82% capacity) and is expected to continue falling over the coming weeks. The flow to South Australia receded from 18,500 ML/day to around 10,000 ML/day where it is expected to be for the remainder of January. With Menindee Lakes expected to fall below 1,300 GL at the end of the first week in January, the delivery to South Australia of 3,000 ML/day of Additional Dilution Flow (ADF) will cease. However flow to South Australia will be sustained in excess of normal entitlement flow of 7,000 ML/day through January with the trade of about 100 GL of environmental water.

The flow at Lock 1 fell from 15,400 ML/day to 9,000 ML/day. At the Lower Lakes, the 5 day average level for Lake Alexandrina gradually reduced from 0.78 m AHD to 0.70 m AHD, with an estimated release of 3,000 ML/day from the barrages.

**For media inquiries contact the Media Officer on 02 6279 0141**

DAVID DREVERMAN  
Executive Director, River Management



**Water in Storage**

**Week ending Wednesday 26 Dec 2012**

MDBA Storages	Full Supply Level	Full Supply Volume (GL)	Current Storage Level	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Total Storage for the Week (GL)
	(m AHD)		(m AHD)	(GL)	%			
Dartmouth Reservoir	486.00	3 856	485.49	3 823	99%	71	3 752	+1
Hume Reservoir	192.00	3 005	189.28	2 487	83%	23	2 464	-87
Lake Victoria	27.00	677	26.09	569	84%	100	469	-28
Menindee Lakes		1 731*		1 427	82%	(480 #)	947	-72
<b>Total</b>		<b>9 269</b>		<b>8 306</b>	<b>90%</b>	<b>--</b>	<b>7 632</b>	<b>-186</b>
Total Active MDBA Storage							89% ^	

**Major State Storages**

Burrinjuck Reservoir	1 026	657	64%	3	654	-27
Blowering Reservoir	1 631	1 441	88%	24	1 417	-28
Eildon Reservoir	3 334	3 090	93%	100	2 990	-34

\* Menindee surcharge capacity – 2050 GL

\*\* All Data is rounded to nearest GL \*\*

# NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBA when storage next reaches 640 GL

^ % of total active MDBA storage

**Snowy Mountains Scheme**

Snowy diversions for week ending 25 Dec 2012

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2012
Lake Eucumbene - Total	2 311	-36	Snowy-Murray	+2	498
Snowy-Murray Component	984	+2	Tooma-Tumut	+0	195
Target Storage	1 510		Net Diversion	2	303
			Murray 1 Release	+2	742

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

New South Wales	This Week	From 1 July 2012	Victoria	This Week	From 1 July 2012
Murray Irrig. Ltd (Net)	50.7	754	Yarrowonga Main Channel (net)	12	170
Wakool Sys Allowance	3.3	18	Torrumbarry System + Nyah (net)	14.4	209
Western Murray Irrigation	1.4	13	Sunraysia Pumped Districts	5.3	59
Licensed Pumps	6.6	117	Licensed pumps - GMW (Nyah+u/s)	0.6	21
Lower Darling	4.1	45	Licensed pumps - LMW	7.5	126
<b>TOTAL</b>	<b>66.1</b>	<b>947</b>	<b>TOTAL</b>	<b>39.8</b>	<b>585</b>

\* Figures derived from estimates and monthly data. Please note that not all data may have been available at the time of creating this report.

\*\* All data above is rounded to nearest 100 ML for weekly data and nearest GL for cumulative data\*\*

**Flow to South Australia (GL)**

\* Flow to SA will be greater than normal entitlement for this month due to Additional Dilution Flow and traded environmental water.

Entitlement this month	217.0 *	
Flow this week	114.6	(16 400 ML/day)
Flow so far this month	467.7	
Flow last month	491.4	

**Salinity (EC) (microSiemens/cm at 25° C)**

	Current	Average over the last week	Average since 1 August 2012
Swan Hill	90	90	110
Euston	130	130	120
Red Cliffs	140	140	120
Merbein	140	140	140
Burtundy (Darling)	480	490	440
Lock 9	320	320	170
Lake Victoria	220	220	240
Berri	360	350	240
Waikerie	350	330	260
Morgan	340	330	250
Mannum	320	320	250
Murray Bridge	340	340	280
Milang (Lake Alex.)	370	360	400
Poltalloch (Lake Alex.)	330	330	280
Meningie (Lake Alb.)	3 400	3 430	3 430
Goolwa Barrages	580	570	1 630



**River Levels and Flows**

**Week ending Wednesday 26 Dec 2012**

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	-	-	-	550	F	830	1 070
Jingellic	4.0	1.43	207.95	3 060	R	2 780	3 170
Tallandoon ( Mitta Mitta River )	4.2	1.64	218.53	1 020	S	970	900
Heywoods	5.5	3.07	156.70	15 300	F	14 640	13 100
Doctors Point	5.5	3.10	151.57	16 000	S	15 840	14 870
Albury	4.3	2.10	149.54	-	-	-	-
Corowa	3.8	3.38	129.40	16 600	R	15 320	15 970
Yarrawonga Weir (d/s)	6.4	1.33	116.37	7 510	S	7 680	8 760
Tocumwal	6.4	1.99	105.83	7 680	F	8 140	8 550
Torrumbarry Weir (d/s)	7.3	1.79	80.33	4 920	F	5 840	6 260
Swan Hill	4.5	1.22	64.14	5 720	F	5 930	6 150
Wakool Junction	8.8	2.92	52.04	7 560	S	7 770	8 240
Euston Weir (d/s)	8.8	1.71	43.55	8 520	S	8 600	10 050
Mildura Weir (d/s)	-	-	-	7 460	F	7 660	10 500
Wentworth Weir (d/s)	7.3	3.38	28.14	12 400	R	12 740	16 960
Rufus Junction	-	4.60	21.53	14 010	F	15 660	17 580
Blanchetown (Lock 1 d/s)	-	1.15	-	12 400	F	14 200	15 220
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	1.03	154.26	600	F	760	1 070
Ovens at Wangaratta	11.9	8.02	145.70	790	F	920	1 130
Goulburn at McCoys Bridge	9.0	1.92	93.34	1 690	R	1 830	2 640
Edward at Stevens Weir (d/s)	-	0.71	80.48	460	F	700	1 090
Edward at Liewah	-	1.75	57.13	1 080	F	1 230	1 220
Wakool at Stoney Crossing	-	1.51	55.00	630	R	620	630
Murrumbidgee at Balranald	5.0	2.19	58.15	1 740	F	2 180	2 730
Barwon at Mungindi	-	3.26	-	220	R	140	220
Darling at Bourke	-	4.07	-	260	R	270	440
Darling at Burtundy Rocks	-	3.48	-	5 640	S	5 780	6 840

Natural Inflow to Hume	3 650	5 400
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(i.e. Pre Dartmouth & Snowy Mountains scheme)

**Weirs and Locks** Pool levels above or below Full Supply Level (FSL)

Murray	FSL (m AHD)	u/s	d/s		FSL (m AHD)	u/s	d/s
Yarrawonga	124.90	-0.19	-	No. 7 Rufus River	22.10	+0.01	+2.30
No. 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	+0.04	+0.72
No. 15 Euston	47.60	-0.02	-	No. 5 Renmark	16.30	+0.06	+0.68
No. 11 Mildura	34.40	+0.07	+0.18	No. 4 Bookpurnong	13.20	+0.10	+1.51
No. 10 Wentworth	30.80	+0.06	+0.74	No. 3 Overland Corner	9.80	-0.05	+0.77
No. 9 Kulnine	27.40	+0.11	+0.46	No. 2 Waikerie	6.10	+0.13	+0.74
No. 8 Wangumma	24.60	+0.09	+0.44	No. 1 Blanchetown	3.20	+0.06	+0.40

**Lower Lakes FSL = 0.75 m AHD**

Lake Alexandrina average level for the past 5 days (m AHD)	0.73
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**Barrages**

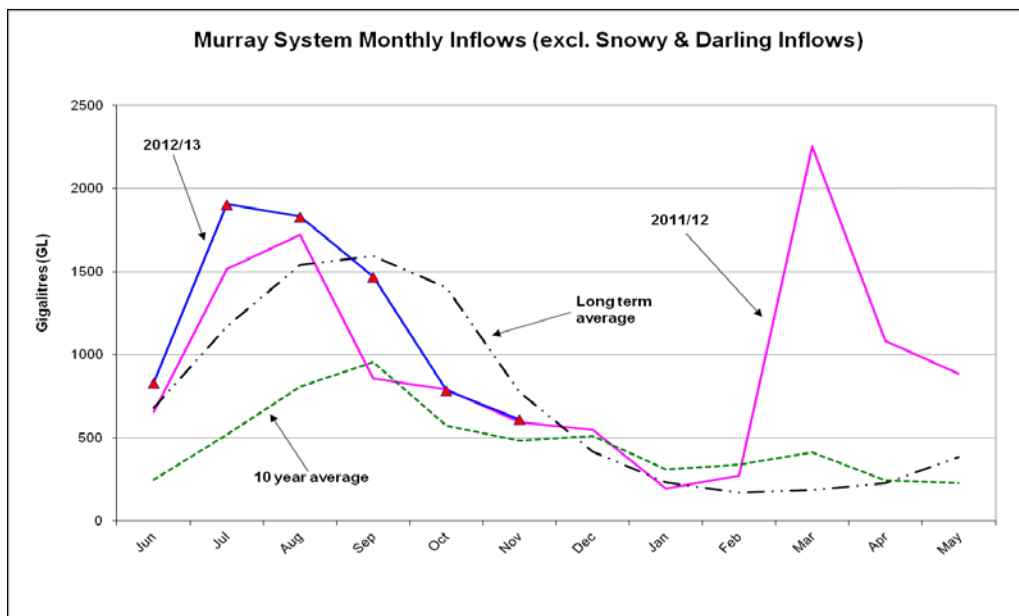
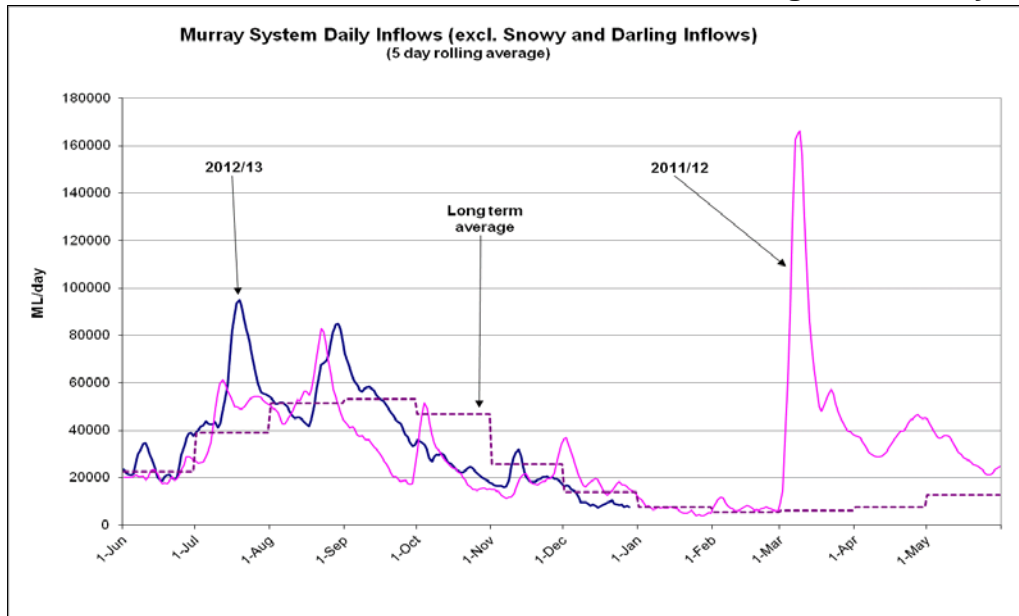
**Fishways at Barrages**

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.77	4	-	Open
Mundoo	26 openings	0.71	2	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.73	23	Open	Open

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



Week ending Wednesday 26 Dec 2012



**State Allocations (as at 26 Dec 2012)**

**NSW - Murray Valley**

High security	100%
General security	100%

**Victorian - Murray Valley**

High reliability	100%
Low reliability	0%

**NSW - Murrumbidgee Valley**

High security	100%
General security	100%

**Victorian - Goulburn Valley**

High reliability	100%
Low reliability	0%

**NSW - Lower Darling**

High security	100%
General security	100%

**South Australia - Murray Valley**

High security	100%
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NSW : <http://www.water.nsw.gov.au/About-us/Media-releases/media/default.aspx>  
 VIC : <http://www.g-mwater.com.au/water-resources/allocations/current.asp>  
 SA : <http://www.waterforgood.sa.gov.au/category/news/>





**Water in Storage**

**Week ending Wednesday 02 Jan 2013**

MDBA Storages	Full Supply Level	Full Supply Volume (GL)	Current Storage Level	Current Storage		Dead Storage (GL)	Active Storage (GL)	Change in Total Storage for the Week (GL)
	(m AHD)		(m AHD)	(GL)	%			
Dartmouth Reservoir	486.00	3 856	485.37	3 815	99%	71	3 744	-8
Hume Reservoir	192.00	3 005	188.57	2 362	79%	23	2 339	-126
Lake Victoria	27.00	677	25.95	553	82%	100	453	-16
Menindee Lakes		1 731*		1 347	78%	(480 #)	867	-81
<b>Total</b>		<b>9 269</b>		<b>8 077</b>	<b>87%</b>	<b>--</b>	<b>7 403</b>	<b>-230</b>
Total Active MDBA Storage							86% ^	

**Major State Storages**

Burrinjuck Reservoir	1 026	613	60%	3	610	-44
Blowering Reservoir	1 631	1 387	85%	24	1 363	-53
Eildon Reservoir	3 334	3 054	92%	100	2 954	-36

\* Menindee surcharge capacity – 2050 GL

\*\* All Data is rounded to nearest GL \*\*

# NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBA when storage next reaches 640 GL

^ % of total active MDBA storage

**Snowy Mountains Scheme**

Snowy diversions for week ending 01 Jan 2013

Storage	Active Storage (GL)	Weekly Change (GL)	Diversions (GL)	This Week	From 1 May 2012
Lake Eucumbene - Total	2 270	-41	Snowy-Murray	+2	500
Snowy-Murray Component	986	+1	Tooma-Tumut	+0	195
Target Storage	1 520		Net Diversion	2	305
			Murray 1 Release	+0	742

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

New South Wales	This Week	From 1 July 2012	Victoria	This Week	From 1 July 2012
Murray Irrig. Ltd (Net)	62.1	816	Yarrowonga Main Channel (net)	12.5	183
Wakool Sys Allowance	3.5	22	Torrumbarry System + Nyah (net)	19.7	238
Western Murray Irrigation	1.4	14	Sunraysia Pumped Districts	5.6	65
Licensed Pumps	6.9	125	Licensed pumps - GMW (Nyah+u/s)	0.5	21
Lower Darling	4.0	49	Licensed pumps - LMW	16	142
<b>TOTAL</b>	<b>77.9</b>	<b>1026</b>	<b>TOTAL</b>	<b>54.2</b>	<b>647</b>

\* Figures derived from estimates and monthly data. Please note that not all data may have been available at the time of creating this report.

\*\* All data above is rounded to nearest 100 ML for weekly data and nearest GL for cumulative data\*\*

**Flow to South Australia (GL)**

\* Flow to SA will be greater than normal entitlement for this month due to Additional Dilution Flow and traded environmental water.

Entitlement this month	217.0 *
Flow this week	80.9
Flow so far this month	20.5
Flow last month	528.2

(11 600 ML/day)

**Salinity (EC) (microSiemens/cm at 25° C)**

	Current	Average over the last week	Average since 1 August 2012
Swan Hill	80	90	110
Euston	130	130	120
Red Cliffs	150	150	120
Merbein	140	140	140
Burtundy (Darling)	470	470	440
Lock 9	330	330	180
Lake Victoria	240	230	240
Berri	380	370	240
Waikerie	360	360	270
Morgan	370	350	250
Mannum	360	340	260
Murray Bridge	350	350	280
Milang (Lake Alex.)	380	370	390
Poltalloch (Lake Alex.)	380	350	280
Meningie (Lake Alb.)	3 260	3 230	3 420
Goolwa Barrages	600	590	1 590



**River Levels and Flows**

**Week ending Wednesday 02 Jan 2013**

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	-	-	-	810	F	1 020	830
Jingellic	4.0	1.29	207.81	2 200	F	2 360	2 780
Tallandoon ( Mitta Mitta River )	4.2	1.62	218.51	970	F	1 620	970
Heywoods	5.5	3.47	157.10	20 430	R	20 420	14 640
Doctors Point	5.5	3.52	151.99	21 220	R	21 020	15 840
Albury	4.3	2.57	150.01	-	-	-	-
Corowa	3.8	3.93	129.95	20 690	S	18 860	15 320
Yarrawonga Weir (d/s)	6.4	1.53	116.57	9 110	R	7 440	7 680
Tocumwal	6.4	2.02	105.86	7 930	R	7 340	8 140
Torrumbarry Weir (d/s)	7.3	1.78	80.32	4 890	S	4 820	5 840
Swan Hill	4.5	1.01	63.93	4 440	S	4 800	5 930
Wakool Junction	8.8	2.48	51.60	5 900	F	6 680	7 770
Euston Weir (d/s)	8.8	1.49	43.33	7 160	F	7 760	8 600
Mildura Weir (d/s)	-	-	-	6 440	F	6 880	7 660
Wentworth Weir (d/s)	7.3	3.28	28.04	11 340	S	11 640	12 740
Rufus Junction	-	4.03	20.96	9 660	R	10 880	15 660
Blanchetown (Lock 1 d/s)	-	0.95	-	8 960	F	11 060	13 910
<b>Tributaries</b>							
Kiewa at Bandiana	2.7	0.93	154.16	470	F	520	760
Ovens at Wangaratta	11.9	7.91	145.59	590	F	670	920
Goulburn at McCoys Bridge	9.0	2.35	93.77	2 420	S	2 250	1 830
Edward at Stevens Weir (d/s)	-	1.17	80.94	920	S	630	700
Edward at Liewah	-	1.56	56.94	910	F	1 040	1 230
Wakool at Stoney Crossing	-	1.42	54.92	430	F	520	620
Murrumbidgee at Balranald	5.0	2.27	58.23	1 840	F	1 960	2 180
Barwon at Mungindi	-	3.46	-	670	F	610	140
Darling at Bourke	-	4.11	-	410	S	350	270
Darling at Burtundy Rocks	-	3.44	-	5 560	S	5 580	5 780

Natural Inflow to Hume (i.e. Pre Dartmouth & Snowy Mountains scheme)	1 360	3 650
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**Weirs and Locks** Pool levels above or below Full Supply Level (FSL)

Murray	FSL (m AHD)	u/s	d/s		FSL (m AHD)	u/s	d/s
Yarrawonga	124.90	-0.13	-	No. 7 Rufus River	22.10	+0.02	+1.76
No. 26 Torrumbarry	86.05	+0.01	-	No. 6 Murtho	19.25	+0.01	+0.38
No. 15 Euston	47.60	-0.10	-	No. 5 Renmark	16.30	-0.01	+0.37
No. 11 Mildura	34.40	+0.02	+0.10	No. 4 Bookpurnong	13.20	+0.02	+1.15
No. 10 Wentworth	30.80	+0.03	+0.64	No. 3 Overland Corner	9.80	-0.07	+0.47
No. 9 Kulnine	27.40	+0.05	+0.47	No. 2 Waikerie	6.10	+0.00	+0.44
No. 8 Wangumma	24.60	+0.06	+0.40	No. 1 Blanchetown	3.20	+0.00	+0.20

**Lower Lakes FSL = 0.75 m AHD**

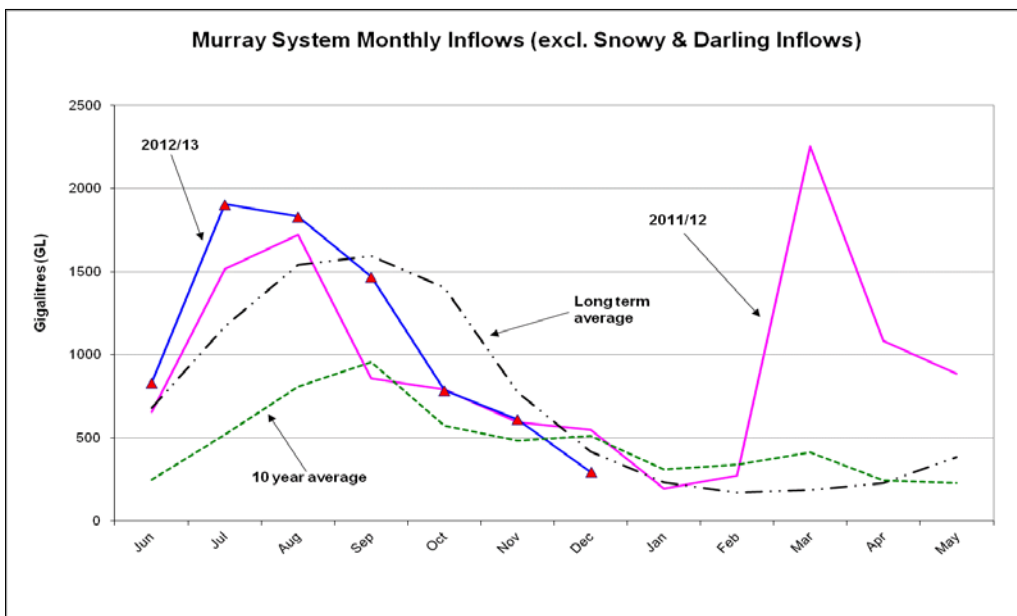
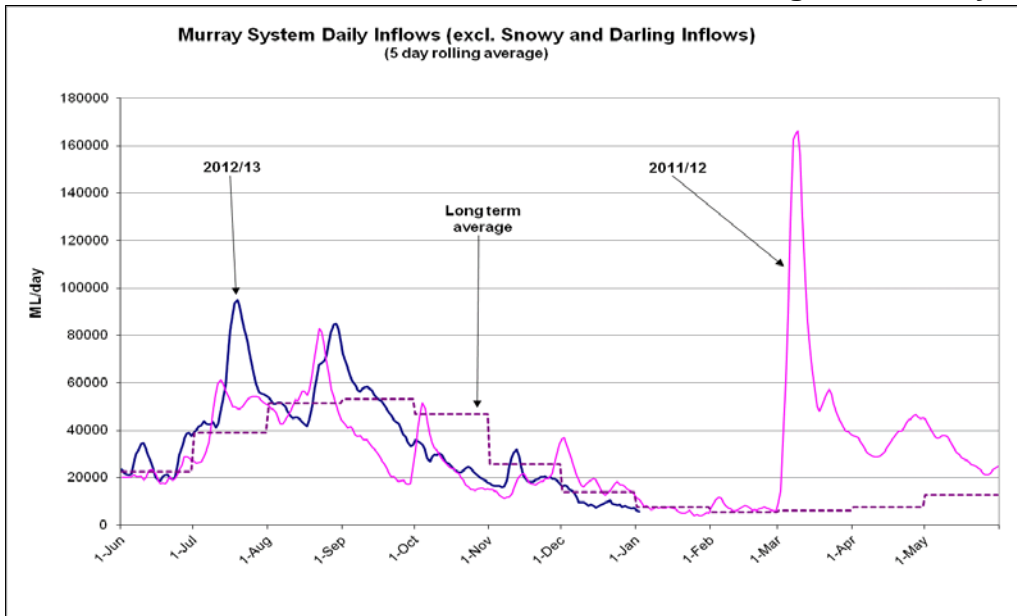
Lake Alexandrina average level for the past 5 days (m AHD)	0.70
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**Barrages**

**Fishways at Barrages**

	Openings	Level (m AHD)	No. Open	Rock Ramp	Vertical Slot
Goolwa	128 openings	0.74	1	-	Open
Mundoo	26 openings	0.67	All closed	-	-
Boundary Creek	6 openings	-	1	-	-
Ewe Island	111 gates	-	All closed	-	-
Tauwichee	322 gates	0.71	10	Open	Open

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



**State Allocations (as at 02 Jan 2013)**

**NSW - Murray Valley**

High security	100%
General security	100%

**Victorian - Murray Valley**

High reliability	100%
Low reliability	0%

**NSW - Murrumbidgee Valley**

High security	100%
General security	100%

**Victorian - Goulburn Valley**

High reliability	100%
Low reliability	0%

**NSW - Lower Darling**

High security	100%
General security	100%

**South Australia - Murray Valley**

High security	100%
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NSW : <http://www.water.nsw.gov.au/About-us/Media-releases/media/default.aspx>  
 VIC : <http://www.g-mwater.com.au/water-resources/allocations/current.asp>  
 SA : <http://www.waterforgood.sa.gov.au/category/news/>

# Lower Darling River Flow advice



2 January 2013

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## Release from Menindee Lakes reducing on 10 January 2013

The Murray-Darling Basin Authority advises that the release from Menindee Lakes to the lower Darling River is planned to reduce to a flow of about 5,000 ML/day (2.5 m) at Weir 32 commencing Thursday, 10 January, 2013. Until that date, the flow will steadily reduce from the current flow rate of 7,000 ML/day to around 6,000 ML/day, with levels at Weir 32 falling from around 2.7 to 2.5 m.

At Burtundy, the flow is currently about 5,500 ML/day (3.4 m) and relatively steady. The flow is expected to begin to recede in about a week's time and by late January, flows are expected to be around 4,000 ML/day (2.8 m).

Landholders and river users, including pumpers, should take into account the changing flow rates along the lower Darling River and make necessary adjustments to their activities.

Forecast flows are also available on the MDBA website (see [http://www.mdba.gov.au/water/river\\_info](http://www.mdba.gov.au/water/river_info) and click on 'storage volumes & releases' for Menindee storage volume and Weir 32 flows or 'river flows & levels' for Burtundy flows).

This flow forecast is dependent on weather conditions and operational requirements. A further flow advice will be issued if there are any significant variations to these planned releases.

ENDS

**For media information contact the MDBA Media Office at [media@mdba.gov.au](mailto:media@mdba.gov.au) or 02 6279 0141. For other information contact MDBA at [inquiries@mdba.gov.au](mailto:inquiries@mdba.gov.au) or 02 6279 0100.**

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