

# Water Balance Report



## Murray - Lower Darling Valley 2017 - 2018

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
<b>Storage Volume (1)</b>					
Volume in storage at start of year	2,747,040				
Volume in storage at end of year	2,037,560				
<b>Change in storage</b>	<b>709,480</b>	<b>22%</b>			<b>100%</b>
<b>Storage net evaporation</b>			<b>385,650</b>	<b>12%</b>	<b>100%</b>
<b>Inflows</b>					
Storage inflows	1,629,475	50%			100%
Downstream tributaries (2)	901,645	28%			100%
<b>Subtotal</b>	<b>2,531,120</b>	<b>78%</b>			<b>100%</b>
<b>Net water diverted under basic rights</b>					
Domestic and stock rights (3)			2,381	0.1%	0%
Native title rights (3)			0	0.0%	0%
<b>Subtotal</b>			<b>2,381</b>	<b>0.1%</b>	<b>0%</b>
<b>Net Water diverted under access licences</b>					
Domestic and stock			11,125	0%	100%
High security			122,632	4%	100%
General security			1,207,179	37%	100%
Local water utility			25,464	1%	100%
Major utility			0	0%	100%
Supplementary water conveyance			0	0%	100%
			252,554	8%	100%
<b>Subtotal</b>			<b>1,618,953</b>	<b>50%</b>	<b>100%</b>
<b>Environmental water</b>					
Net Diversion to wetlands			329,343	10%	100%
End of System Flows (4)			873,110	27%	100%
<b>Subtotal</b>			<b>1,202,453</b>	<b>37%</b>	<b>100%</b>
<b>Other outflows</b>				<b>0%</b>	<b>100%</b>
<b>Unaccounted difference (5)</b>			<b>31,163</b>	<b>1%</b>	<b>99%</b>
<b>Total</b>	<b>3,240,600</b>		<b>3,240,600</b>		

### Notes:

- (1) Includes NSW share of water held in Dartmouth Dam, Hume Dam, Menindee Lakes and Lake Victoria
- (2) Downstream tributaries include gauged flows from the Keiwa R (NSW share), Murrumbidgee R and Billabong Ck and internal spills in Lake Victoria
- (3) Basic Water Right extractions are not metered. Values presented are estimated from recommended values provided in the Water Sharing Plan (Murray 1,936 ML; Lower Darling 445 ML).
- (4) End of system flow is the NSW share of the flow across the South Australian border after adjustment for water trades.
- (5) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows, theft and any measurement errors
- (6) Planned Environmental Requirement were met 100% in 2017-18.