

Water Balance Report

Murray - Lower Darling Valley 2016 - 2017

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume (1)					
Volume in storage at start of year			1,414,980		
Volume in storage at end of year			2,747,040		
Change in storage			1,332,060	16%	100%
Storage net evaporation			357,620	4%	100%
Inflows					
Storage inflows	4,953,435	58%			100%
Downstream tributaries (2)	3,599,850	42%			100%
Subtotal	8,553,285	100%			100%
Net water diverted under basic rights					
Domestic and stock rights (3)			5,845		0%
Native title rights (3)			0		0%
Subtotal			5,845	0%	0%
Net Water diverted under access licences					
Domestic and stock			10,049	0%	100%
High security			139,367	2%	100%
General security			1,078,161	13%	100%
Local water utility			20,000	0%	100%
Major utility			0	0%	100%
Supplementary water			137,073	2%	100%
conveyance			349,498	4%	100%
Subtotal			1,734,148	20%	100%
Environmental water					
Net Diversion to wetlands			488,300	6%	100%
End of System Flows (4)			3,570,300	42%	100%
Subtotal			4,058,600	47%	100%
Other outflows				0%	100%
Unaccounted difference (5)			1,065,012	12%	99%
Total	8,553,285		8,553,285		

Notes:

(1) Storage Volume includes Hume, Menindee and Dartmouth.

(2) Downstream tributaries include gauged flows from the Keiwa River (NSW share), Murrumbidgee River, and Billabong Creek 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 2,118 ML; Lower Darling 3,727 ML).

(4) End of system flows 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 the change in storage. This includes river evaporation, seepage, overbank flows, theft and any measurement errors recording other components.

(6) Planned Environmental Requirement were met 100% in 2016-17.