

Water Balance Report

Murray Valley 2015 - 2016

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	1,635,170				
Volume in storage at end of year	1,414,980				
Change in storage	220,190	8%			100%
Storage net evaporation			207,170	7.8%	100%
Inflows					
Storage inflows	1,487,885	56%			100%
Downstream tributaries (2)	957,260	36%			100%
Subtotal	2,445,145	92%			100%
Net water diverted under basic rights					
Domestic and stock rights (3)			5,845	0.2%	0%
Native title rights (3)			-		0%
Subtotal			5,845	0.2%	0%
Net Water diverted under access licences					
Domestic and stock			11,459	0.4%	100%
High security			108,917	4.1%	100%
General security			449,592	16.9%	100%
Local water utility			24,318	0.9%	100%
Major utility			-		100%
Supplementary water			-		100%
Conveyance			271,242	10.2%	100%
Subtotal			865,528	32.5%	100%
Environmental water					
Net Diversion to wetlands					
End of System Flows (4)			963,050	36.1%	100%
Subtotal			963,050	36.1%	100%
Other outflows					
Unaccounted difference (5)			623,742	23.4%	99%
Total	2,665,335	100%	2,665,335	100.0%	100%

Notes:

(1) Includes NSW share of water held in Dartmough Dam, Hume Dam, Menindee Lakes and Lake Victoria

(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 2015-16.