

## Water Balance Report - Murray - 2019 - 2020

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			1,286,120		
Volume in storage at end of year			1,891,460		
<b>Change in storage</b>			<b>605,340</b>	<b>22%</b>	<b>100%</b>
Storage net evaporation			183,290	7%	100%
<b>Inflows</b>					
Storage inflows	1,654,505	59%			100%
Downstream tributaries (2)	1,135,585	41%			100%
<b>Subtotal</b>	<b>2,790,090</b>	<b>100%</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			10,476	0%	100%
High security			117,247	4%	100%
General security			117,041	4%	100%
Local water utility			26,996	1%	100%
Major utility			0	0%	100%
Supplementary water (4)			5,019	0%	100%
Conveyance (5)			157,330	6%	100%
<b>Subtotal</b>			<b>434,110</b>	<b>16%</b>	<b>100%</b>
<b>Environmental water</b>					
Net Diversion to wetlands			69,140	2%	100%
End of System Flows (6)			808,840	29%	100%
<b>Subtotal</b>			<b>877,980</b>	<b>31%</b>	<b>100%</b>
Other outflows				0%	100%
Unaccounted difference (7)			686,989	25%	99%
<b>Total</b>	<b>2,790,090</b>		<b>2,790,090</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) Supplementary water usage includes the uncontrolled flow (non-debit) water use by General Security category access licences

(5) Conveyance category includes temporary critical conveyance licences issued as part of drought management during 2019-20

(6) End of system flow is the NSW share of the flow across the South Australian border after adjustment for water trades.

(7) 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 recording other components.

(8) Planned Environmental Requirement were met 100% in 2019-20