

Water Balance Report

Peel Valley 2016-17

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			37,315		
Volume in storage at end of year			96,304		
Change in storage			58,989	16.2%	100%
Storage net evaporation			457	0.1%	100%
Inflows					
Storage Inflows	80,211	22%			100%
Downstream tributaries ⁽²⁾	284,671	78%			85%
Subtotal	364,882	100%			95%
Net Water diverted under water rights					
Domestic and stock rights ⁽³⁾			299	0.1%	0%
Native title rights ⁽³⁾			-	0.0%	0%
Subtotal			299	0.1%	0%
Net Water diverted under access licences					
Domestic and stock			36	0.0%	100%
High security			148	0.0%	100%
General security			4,862	1.3%	100%
Local water utility			5,319	1.5%	100%
Major water utility			-	0.0%	100%
Supplementary water			-	0.0%	100%
Subtotal			10,366	2.8%	100%
Environmental water					
End of system flows ⁽⁴⁾			294,771	80.8%	100%
Subtotal			294,771	80.8%	100%
Unaccounted difference ⁽⁵⁾			0	0.0%	n/a
TOTAL	364,882	100%	364,882	100%	95%

Notes

(1) Storage volumes include Chaffey Dam.

(2) Tributary inflow consists of Goonoo Goonoo Creek @ Timbumburi, Cockburn River @ Mulla Crossing and positive AUD's from major gaining sections in Decision Support System (CAIRO)

(3) Water rights are not metered. Values presented are estimated from recommended values provided by DPI or as specified in Water Sharing Plans.

(4) End of system flows are measured at Peel River at Carrol Gap

(5) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows and any measurement errors recording other components

(6) Environmental water delivery requirements were met 100% of the time throughout 2016-17.