

Water Balance Report – Peel Valley 2018 – 2019

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage volume					
Volume in storage at start of year	58,996				
Volume in storage at end of year	25,711				
Change in storage	33,285	92%			100%
Storage net evaporation			2,349	6%	100%
Inflows					
Storage Inflows	332	1%			100%
Downstream tributaries (1)	2,644	7%			85%
Subtotal	2,976	8%			95%
Net Water diverted under water rights					
Domestic and stock rights (2)			299	1%	0%
Native title rights (2)			-	0%	0%
Subtotal			299	1%	0%
Net Water diverted under access licences					
Domestic and stock			57	0%	100%
High security			297	1%	100%
General security			9,339	26%	100%
Local water utility			8,909	25%	100%
Major water utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			18,602	51%	100%
Environmental water					
End of system flows (3)			8,941	25%	100%
Subtotal			8,941	25%	100%
Other outflows			0	0%	100%
Unaccounted difference (4)			6,070	17%	n/a
TOTAL	36,261	100%	36,261	100%	95%

Notes

1 Tributary inflow consists of Goonoo Goonoo Creek @ Timbumburi, Cockburn River @ Mulla Crossing and positive AUD's from major gaining sections in CAIRO

2 Water rights are not metered. Values presented are estimated from recommended values provided by DNR or as specified in Water Sharing Plans.

3 End of system flows are measured at Peel River at Carrol Gap

4 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.