

Water Balance Report

Peel Valley



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	96,304				
Volume in storage at end of year	58,996				
Change in storage	37,308	72%			100%
Storage net evaporation			3,901	8%	100%
Inflows					
Storage Inflows	1,763	3%			100%
Downstream tributaries (1)	12,546	24%			85%
Subtotal	14,309	28%			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			71	0%	100%
High security			118	0%	100%
General security			13,670	26%	100%
Local water utility			8,163	16%	100%
Major water utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			22,023	43%	100%
Environmental water					
End of system flows (3)			25,394	49%	100%
Subtotal			25,394	49%	100%
Unaccounted difference (4)			0	0%	n/a
TOTAL	51,617	100%	51,617	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.