

Water Balance Report

Peel Valley 2012 – 2013

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	61,827				
Volume in storage at end of year	50,096				
Change in storage	11,731	11%			100%
Storage net evaporation			3,594	3%	100%
Inflows					
Storage inflows	19,683	18%			100%
Downstream tributaries (1)	77,341	71%			85%
Subtotal	97,024	89%			95%
Net water diverted under riparian rights					
Domestic and stock rights (2)			299	0%	0%
Native title rights (2)			-	0%	0%
Subtotal			299	0%	0%
Net Water diverted under access licences					
Domestic and stock			44	0%	100%
High security			274	0%	100%
General security			10,092	8%	100%
Local water utility			2,952	2%	100%
Major utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			13,361	12%	100%
Environmental water					
End of system flows (3)			91,501	84%	100%
Subtotal			91,501	84%	100%
Other outflows					
Unaccounted difference (4)			0	0%	n/a
Total	108,755	100%	108,755	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.