

Water Balance Report

Peel Valley 2011 – 2012

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	62207				
Volume in storage at end of year	61827				
Change in storage	380	0%			100%
Storage net evaporation			1,804	1%	100%
Inflows					
Storage inflows	41,639	12%			100%
Downstream tributaries (1)	311,556	88%			85%
Subtotal	353,195	100%			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			33	0%	100%
High security			230	0%	100%
General security			3,451	1%	100%
Local water utility			505	0%	100%
Major water utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			4,219	1%	100%
Environmental water					
End of system flows (3)			347,253	98%	100%
Subtotal			347,253	98%	100%
Unaccounted difference (4)			-0	0%	n/a
Total	353,575	100%	353,575	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, theft and any measurement errors recording other components.