

Water Balance Report

Peel Valley 2013 – 2014

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	50,096				
Volume in storage at end of year	24,249				
Change in storage	25,847	65%			100%
Storage net evaporation			4,048	10%	100%
Inflows					
Storage inflows	7,204	18%			100%
Downstream tributaries (2)	6,941	17%			85%
Subtotal	14,145	35%			95%
Net water diverted under riparian rights					
Domestic and stock rights (3)			299	1%	0%
Native title rights (3)			-	0%	0%
Subtotal			299	1%	0%
Net Water diverted under access licences					
Domestic and stock			77	0%	100%
High security			487	1%	100%
General security			11,454	29%	100%
Local water utility			5,394	13%	100%
Major utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			17,413	44%	100%
Environmental water					
Net diversions to wetlands			-		
End of system flows (4)			18,232	46%	100%
Subtotal			18,232	46%	100%
Other outflows					
Unaccounted difference (5)			0	0%	99%
Total	39,992	100%	39,992	100%	95%

Notes:

- Storage volumes include Chaffey Dam.
- Tributary inflow consists of Goonoo Goonoo Creek @ Timbumburi, Cockburn River @ Mulla Crossing and positive AUD's from major gaining sections in CAIRO
- Water rights are not metered. Values presented are estimated from recommended values provided by DNR or as specified in Water Sharing Plans.
- End of system flows are measured at Peel River at Carrol Gap
- 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.
- Environmental water delivery requirements were met 100% of the time throughout 2013-14.