

Water Balance Report - Peel Valley 2019 - 2020

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage volume					
Combined volume in storage at start of year	25,711				
Volume in storage at end of year	17,577				
Change in storage	8,134	11%			100%
Storage net evaporation			1,351	2%	100%
Inflows					
Storage Inflows	4,399	6%			100%
Downstream tributaries (1)	59,219	83%			85%
Subtotal	63,618	89%			95%
Net Water diverted under water rights					
Domestic and stock rights (2)			300	0%	0%
Native title rights (2)			0	0%	0%
Subtotal			300	0%	0%
Net Water diverted under access licences					
Domestic and stock			34	0%	100%
High security			328	0%	100%
General security			331	0%	100%
Local water utility			5,388	8%	100%
Major water utility			0	0%	100%
Supplementary water			0	0%	100%
Subtotal			6,082	8%	100%
Environmental water					
End of system flows (3)			62,418	87%	100%
Subtotal			62,418	87%	100%
Unaccounted difference (4)			1,601	2%	n/a
Total	71,752	100%	71,752	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 NRAR 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.