

Water Balance Report

Paterson River 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			20,307		
Volume in storage at end of year			20,506		
Change in storage			199	0%	100%
Spill			154,169		100%
Storage net evaporation			901	0%	100%
Inflows					
Storage inflows (1)	158,614	50%			100%
Downstream tributaries (2)	158,742	50%			50%
Subtotal	317,356	100%			
Net water diverted under riparian rights					
Domestic and stock rights (3)			552	0%	0%
Native title rights					
Subtotal			552	0%	
Net Water diverted under access licences					
Domestic and stock			-	0%	100%
High security			13	0%	100%
General security			1,757	1%	100%
Local water utility			24	0%	100%
Supplementary water			250	0%	100%
Subtotal			2,044	1%	
Environmental water					
Environmental flows (Plan)			8,783	3%	100%
End water source excess flows (4)			304,877	96%	90%
Subtotal			313,660	99%	
Other outflows					
Unaccounted difference (5)			0		
Total	317,033	100%	317,033	100%	

Notes:

1. Calculated from volume change, plus evaporation and releases.
2. Tributaries where gauged (Halton) - mass balanced to end of system - actual gauging 90,359
3. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
4. Gauged at Gostwyck
5. All flows accounted in the mass balance; Actual regulated releases from Lostock Dam 5,543 excludes hydro-generation released as spills