

Water Balance Report

Paterson River 2011 – 2012

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	20,373				
Volume in storage at end of period	20,307				
Change in storage	66	0%			100%
Spills			166,295		100%
Storage net evaporation			-179	0%	100%
Inflows					
Storage inflows (1)	167,225	44%			100%
Downstream tributaries (2)	216,251	56%			50%
Subtotal	383,475				
Net water diverted under basic 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			9	0%	100%
General security			320	0%	100%
Local water utility			0	0%	100%
Supplementary water			101	0%	100%
Subtotal			430	0%	
Environmental water					
Environmental flows (Plan)			8,756	2%	100%
End of water source excess flows (4)			373,983	98%	90%
Subtotal			382,739	100%	
Other outflows					
Unaccounted difference (5)				0%	
Total	383,542	100%	383,542	100%	

Notes:

1. Calculated from volume change, plus evaporation and releases.
2. Tributaries where gauged (Halton) - mass balanced to end of system - actual gauging 120,507.
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
 - a. Actual regulated releases from Lostock Dam 1,018 exclude hydro-generation released as spills.