

Water Balance Report

Hunter Valley 2015 – 2016

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	867,429				
Volume in storage at end of year	855,210				
Change in storage	12,219	2%			100%
Barnard Reserve (1)	0	0%			100%
Storage net evaporation			44,309	8%	100%
Inflows					
Storage inflows (2)	98,128	18%			100%
Downstream tributaries (3)	443,367	80%			50%
Subtotal	541,495	98%			
Net water diverted under basic rights					
Domestic and stock rights (4)			450		0%
Native title rights			0		
Subtotal			450		
Net Water diverted under access					
Domestic and stock			281	0%	100%
High security			3,207	1%	100%
General security			38,662	7%	100%
Local water utility			6,692	1%	100%
Major utility			27,008	5%	100%
Major utility (dilution)			0	0%	100%
Supplementary water			29,805	5%	100%
Barnard Reserve dilution			0	0%	100%
Subtotal			105,655	19%	
Environmental water					
Environmental flows (plan)			29,190	5%	100%
End of water source flows (5)			374,110	68%	100%
Subtotal			403,300	73%	
Other outflows					
Unaccounted difference (6)			0	0%	
Total	553,714		553,714	100%	

Notes:

(1) Barnard Reserve accumulates from an inter valley

(2) Calculated from Glenbawn and Glennies Creek Dams evaporation and releases, less storage drawdown and Barnard Reserve inflows.

(3) Downstream tributaries - assessed by mass balance at Greta

(4) Basic rights are not metered. Values presented are those in the Water Sharing Plan.

(5) Gauged at Greta (not the end) - flows greater than environmental target are provided.

(6) All unaccounted source flows included in tributary inflows.

(7) Planned environmental water delivery requirements were met 100% in 2015-16