

Water Balance Report

Hunter Valley 2017 – 2018



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	892,745				
Volume in storage at end of year	700,475				
Change in storage	192,270	73%	0	0%	100%
Barnard Reserve (1)	0	0%			100%
Storage net evaporation			43,088	16%	100%
Inflows					
Storage inflows (2)	29,575	11%			100%
Downstream tributaries (3)	40,132	15%			50%
Subtotal	69,707	27%			
Net water diverted under basic rights					
Domestic and stock rights (4)			450		0%
Native title rights			0		
Subtotal			450	0%	
Net Water diverted under access licences					
Domestic and stock			521	0%	100%
High security			8,260	3%	100%
General security			81,422	31%	100%
Local water utility			8,246	3%	100%
Major utility			46,826	18%	100%
Major utility (dilution)				0%	100%
Supplementary water			15	0%	100%
Barnard Reserve dilution				0%	100%
Subtotal			145,290	55%	
Environmental water					
Environmental flows (plan)			32,265	12%	100%
End of water source flows (5)			40,884	16%	100%
Subtotal			73,149	28%	
Other outflows					
Unaccounted difference (6)			0	0%	
Total	261,977	100%	261,977	100%	

Notes:

- (1) Barnard Reserve accumulates from an inter valley physical transfer. (Total Barnard Reserve at the end of the month =0)
- (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.