

Water Balance Report

Hunter River 2013 – 2014

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	1,017,711				
Volume in storage at end of year	900,097				
Change in storage	117,614	32%			
Barnard Reserve (4)				0%	100%
Storage net evaporation			54,611	15%	100%
Inflows					
Storage inflows (1)	51,688	14%			100%
Downstream tributaries (2)	193,274	53%			50%
Subtotal	244,962	68%			
Net water diverted under riparian rights					
Domestic and stock rights (3)			450	0%	0%
Native title rights			-	0%	
Subtotal			450	0%	
Net Water diverted under access licences					
Domestic and stock			466	0%	100%
High security			6,735	2%	100%
General security			54,750	15%	100%
Local water utility			7,108	2%	100%
Major utility			30,688	8%	100%
Major utility (dilution)			-	0%	100%
Supplementary water			15,637	4%	100%
Barnard Reserve (dilution)			-	0%	100%
Subtotal			115,384	32%	
Environmental water					
Net diversions to wetlands			27,773	8%	100%
End of system flows (5)			164,358	45%	90%
Subtotal			192,131	53%	
Other outflows					
Unaccounted difference (6)			-	0%	
Total	362,576	100%	362,576	100%	

Notes:

1. Calculated from Glenbawn and Glennies Creek Dams evaporation and releases, less storage drawdown and Barnard Reserve inflows.
2. Downstream tributaries - assessed by mass balance at Greta. Recorded trib flows were Gauged=127095ML and Ungauged=66,179ML
3. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
4. Barnard Reserve accumulates from an inter valley physical transfer.
 - a. "Total Barnard Reserve at end of month 0"
5. Gauged at Greta (not the end) - flows greater than environmental target are provided

6. All unaccounted source flows included in tributary inflows and includes spill from Dams.
7. Planned environmental water delivery requirements were met 100% in 2013-14.