Water Balance Report - Hunter Valley 2019 - 2020

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)		Volume (ML)		
Storage Volume					
Volume in storage at start of year	533,990				
Volume in storage at end of year	395,076				
Change in storage	**138,914**	**36%**			100%
Barnard Reserve (1)	**0**	**0%**			100%
Storage net evaporation			**7,615**	**2%**	100%
Inflows					
Storage inflows (2)	18,352	5%			100%
Downstream tributaries (3)	231,830	60%			50%
Subtotal	**250,182**	**64%**			
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			576	0%	100%
High security			18,045	5%	100%
General security			72,033	19%	100%
Local water utility			5,879	2%	100%
Major utility			35,448	9%	100%
Major utility (dilution)				0%	100%
Supplementary water			27,112	7%	100%
Barnard Reserve dilution				0%	100%
Subtotal			**159,093**	**41%**	
Environmental water					
Environmental flows (plan)			28,062	7%	100%
End of water source flows (5)			143,159	37%	100%
Subtotal			**171,221**	**44%**	
Other outflows					
Unaccounted difference (6)			50,717	13%	
Total	389,096		389,096	100%	

Notes:

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

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

(3) Downstream tributaries - all downstream tributaries gauged and estimated inflows from ungauged tributaries.

(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) Unaccounted difference is estimated as the difference between inflows, outflows and change in channel storage. This includes river evaporation, evapotranspiration, seepage, ungauged overbank flows, water in transit and channel breakouts and any measurement errors recording other components.