Hunter Valley Water Balance 2007/08

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	335,074				
Volume in storage at end of year	573,351				
Change in storage			**238,277**	**20%**	100%
Storage net evaporation			**29,906**	**3%**	100%
Inflows					
Storage Inflows (1)	255,417	22%			100%
Downstream tributaries (2)	907,164	78%			100%
Subtotal	**1,162,581**	**100%**			
Net Water diverted under basic rights					
Domestic and stock rights (3)			5,515	0%	0%
Native title rights					
Subtotal			**5,515**	**0%**	
Net Water diverted under access licences					
Domestic and stock			634	0%	100%
High security			8,225	1%	100%
General security			19,149	2%	100%
Local water utility			5,675	0%	100%
Major utility			7,734	1%	100%
Supplementary water			64,435	6%	100%
Conveyance			-	0%	
Subtotal			**105,852**	**9%**	100%
Environmental water					
Net diversions to wetlands					
End of water source flows (5)			783,031	67%	100%
Subtotal			**783,031**	**67%**	100%
Other outflows					
Unaccounted difference (6)			**-**	**0%**	99%
TOTAL	**1,162,581**	**100%**	**1,162,581**	**100%**	99%

Notes

(1) Calculated from Glenbawn Dam and Glennies Ck Dam volume change, plus evaporation and releases.

(2) Downstream tributaries where gauged, plus the 'negative' unaccounted mass balance difference between the measured distribution of water and the annual flow at Greta.

(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 and is not included

(5) Gauged at Greta

(6) All flows accounted in the mass balance - gauged tributary inputs increased to balance gauged flow @ Greta