

Hunter Valley Draft Water Balance 2008/09

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	573,351				
Volume in storage at end of year	770,689				
Change in storage (SWC share)			183,417	15%	100%
Barnard Reserve (4)			13,921		100%
Storage net evaporation			16,113	1%	100%
Inflows					
Storage Inflows (1)	243,481	20%			100%
Downstream tributaries (2)	985,676	80%			50%
Subtotal	1,229,157	100%			
Net Water diverted under basic rights					
Domestic and stock rights (3)			5,400	0%	0%
Native title rights					
Subtotal			5,400	0%	
Net Water diverted under access licences					
Domestic and stock			497	0%	100%
High security			6,703	1%	100%
General security			32,274	3%	100%
Local water utility			5,937	0%	100%
Major utility			19,321	2%	100%
Supplementary water			45,047	4%	100%
Conveyance			-	0%	
Subtotal			109,779	9%	
Environmental water					100%
Environmental flows (Plan)			32,363	3%	90%
End of water source flows (5)			868,163	71%	
Subtotal			900,526	73%	
Other outflows					
Unaccounted difference (6)			13,922	1%	
TOTAL	1,229,157	100%	1,229,157	100%	
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. Volume is for 2008/09

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

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

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