

## Hunter Valley Water Balance 2008/09

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
<b>Storage volume</b>					
Combined volume in storage at start of year	573,351				
Volume in storage at end of year	770,689				
<b>Change in storage (SWC share)</b>			<b>183,417</b>	<b>15%</b>	100%
<b>Barnard Reserve (4)</b>			<b>13,921</b>		100%
<b>Storage net evaporation</b>			<b>16,113</b>	<b>1%</b>	100%
<b>Inflows</b>					
Storage Inflows (1)	243,481	20%			100%
Downstream tributaries (2)	985,676	80%			50%
<b>Subtotal</b>	<b>1,229,157</b>	<b>100%</b>			
<b>Net Water diverted under basic rights</b>					
Domestic and stock rights (3)			5,400	0%	0%
Native title rights					
<b>Subtotal</b>			<b>5,400</b>	<b>0%</b>	
<b>Net Water diverted under access licences</b>					
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%	
<b>Subtotal</b>			<b>109,779</b>	<b>9%</b>	
<b>Environmental water</b>					100%
Environmental flows (Plan)			32,363	3%	90%
End of water source flows (5)			868,163	71%	
<b>Subtotal</b>			<b>900,526</b>	<b>73%</b>	
<b>Other outflows</b>					
<b>Unaccounted difference (6)</b>			<b>13,922</b>	<b>1%</b>	
<b>TOTAL</b>	<b>1,229,157</b>	<b>100%</b>	<b>1,229,157</b>	<b>100%</b>	

### 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 only

(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