

Hunter Valley Water Balance - 2010/11



Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Combined volume in storage at start of year			700,093		
Volume at end of Period			967,482		
Change in storage	-	0	267,390	20%	100%
Barnard Reserve (4)	11,524	1%	11,524	1%	100%
Spills			-		100%
Storage net evaporation			21,699	2%	100%
Inflows					
Storage inflows (1)	341,404	25%			100%
Downstream tributaries (2)	1,013,396	74%			60%
Subtotal	1,354,799	99%			
Net Water diverted under basic rights					
Domestic and stock rights (3)			5,400	0%	0%
Native title rights			-	0%	
Subtotal			5,400	0%	
Net Water diverted under access licences					
Domestic and stock			526	0%	100%
High security			6,700	0%	100%
General security			35,693	3%	100%
Local water utility			6,149	0%	100%
Major utility			23,202	2%	100%
Supplementary water			43,239	3%	100%
Subtotal			115,509	8%	
Environmental water					
Environmental flows (Plan)			32,910	2%	100%
End of water source flows (5)			911,892	67%	90%
Subtotal			944,802	69%	
Other outflows					
Unaccounted difference (6)			-	0%	
TOTAL	1,366,323	100%	1,366,323	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 -

(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. Volume for 2010-11 Total Barnard 52,389

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

(6) All unaccounted source flows included in tributary inflows

Note: Controlled release for salinity dilution in April