

Gwydir Valley Water Balance 2005-06

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage volume					
Volume in storage at start of year	320,365				
Volume in storage at end of year	333,456				
Change in storage	-		13,091	3%	100%
Storage net evaporation			10,606	2%	100%
Inflows					
Storage inflows	236,130	55%			100%
Downstream tributaries (1)	197,080	45%			100%
Subtotal	433,210	100%			100%
Net Water diverted under water rights					
Domestic and stock rights (2)			6,000	1%	0%
Native title rights (2)			-	0%	0%
Subtotal			6,000	1%	0%
Net Water diverted under access licences					
Domestic and stock			842	0%	100%
High security			12,328	3%	100%
General security			123,470	29%	100%
Local water utility			-	0%	100%
Major water utility			-	0%	100%
Supplementary water			81,855	19%	100%
Conveyance			-	0%	100%
Subtotal			218,496	50%	100%
Environmental water					
Net diversions to wetlands			-	0%	100%
End of system flows (3)			157,287	36%	100%
Subtotal			157,287	36%	100%
Other outflows			-	0%	100%
Unaccounted difference (4)			27,464	6%	99%
TOTAL	433,210	100%	433,210	100%	99%

Notes

(1) Downstream tributaries include gauged flows from the Horton R, Mmyall Ck, Halls Ck and Gil Gil Ck. Ungauged tributaries were estimated from the increased mass balance between Copeton Dam and Tareelaro Weir, and between Moree and Combadello Weir.

(2) Water rights are not metered. Values presented are estimated from recommended values provided in the Water Sharing Plan.

(3) Gwydir R at Millewa, Mehi R at Collarenebri, Gil Gil Ck at Galloway.

(4) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows, theft and any measurement errors recording other components.