

Gwydir 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					
Volume in storage at start of year	298,543				
Volume in storage at end of year	174,849				
Change in storage	123,694	33%			100%
Storage net evaporation			4,315	1%	100%
Inflows					
Storage Inflows	26,929	7%			100%
Downstream tributaries	219,816	59%			100%
Subtotal	246,745	67%			100%
Net Water diverted under water rights					
Domestic and stock rights (1)			6,000	2%	0%
Native title rights (1)			-	0%	0%
Subtotal			6,000	2%	0%
Net Water diverted under access licences					
Domestic and stock			828	0%	100%
High security			6,147	2%	100%
General security			81,519	22%	100%
Local water utility			1,913	1%	100%
Major water utility			-	0%	100%
Supplementary water			52,468	14%	100%
Conveyance			-	0%	100%
Subtotal			142,875	39%	100%
Environmental water					
ECA ordered water (3)			6,500	2%	100%
Flows to wetlands via Gingham Channel			50,224		
Flow to wetlands via Gwydir River			17,109		
Net diversions to wetlands			67,333	18%	100%
End of system flows (4)			48,461	13%	100%
Subtotal			115,794	31%	100%
Other outflows (4)			10,352	3%	100%
Unaccounted difference (5)			84,603	23%	99%
TOTAL	370,439	100%	370,439	100%	99%

Notes

(1) Tributary inflow consists of 3t inflow (Myall, Molroy and Horton), Gil Gil inflow measured at Boolataroo and positive AUD's from major inflow sections in CAIRO

(2) Water rights are not metered. Values presented are estimated from recommended values provided by DNR or as specified in Water Sharing Plans.

(3) ECA ordered water is not included in the flows to wetlands totals

(4) End of system flows are measured at the Mehi River at Collarenebri and Gil Gil Creek at Galloway

(5) Other outflows consist of Thalaba Creek, Ballinboora Creek and Mallowa Creek

(6) 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.