

Water Balance Report

Border River 2011 – 2012

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	563,173				
Volume in storage at end of year	524,106				
Change in storage	39,067	3%			100%
Storage net evaporation			9,791	1%	100%
Inflows					
Storage inflows	215,310	16%			100%
Downstream tributaries (1)		82%			100%
Subtotal	1,341,748	97%			100%
Net water diverted under riparian rights					
Domestic and stock rights (2)			8,000	1%	0%
Native title rights (2)			-	0%	0%
Subtotal			8,000	1%	0%
Net Water diverted under access licences					
Domestic and stock			475	0%	100%
High security			2,003	0%	100%
General security			76,007	6%	100%
Local water utility			445	0%	100%
Major utility			-	0%	100%
Supplementary water			130,359	9%	100%
Interstate Trade			25,918	2%	
Subtotal			235,207	17%	100%
Environmental water					
End of system flows (3)			845,581	61%	100%
Subtotal			845,581	61%	100%
Other outflows					
Other outflows (4)			56,947	4%	100%
Unaccounted difference (5)			225,289	16%	n/a
Total	1,380,815	100%	1,380,815	100%	95%

Notes:

1. Tributary inflows consist of Beardy River @ Haystack, Mole River @ Donaldson, Dumaresq River @ Farnbro, Macintyre River @ Wallangra, Weir River estimate of inflows from CAIRO and Macintyre Brook from 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. End of system flow is measured at Mungindi on the Barwon River
4. Other outflows consist of Boomi River measured at the Boomi weir offtake
5. 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.