

Water Balance Report

Border River 2010 – 2011

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			137,024		
Volume in storage at end of year			563,173		
Change in storage			426,149	12%	100%
Storage net evaporation			1,373	0%	100%
Inflows					
Storage inflows	928,897	26%			100%
Downstream tributaries (1)	2,683,821	74%			100%
Subtotal	3,612,718	100%			100%
Net water diverted under riparian rights					
Domestic and stock rights (2)			8,000	0%	0%
Native title rights (2)			-	0%	0%
Subtotal			8,000	0%	0%
Net Water diverted under access licences					
Domestic and stock			345	0%	100%
High security			1,880	0%	100%
General security			74,125	2%	100%
Local water utility			398	0%	100%
Major water utility			-	0%	100%
Supplementary water			240,044	3%	100%
Interstate trade			23,299		
Subtotal			340,091	5%	100%
Environmental water					
End of system flows (3)			1,471,463	41%	100%
Subtotal			1,471,463	41%	100%
Other outflows (4)			145,053	4%	100%
Unaccounted difference (5)			1,220,589	39%	n/a
Total	3,612,718	100%	3,612,718	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.