

Water Balance Report

Border River 2013 – 2014

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	433,084				
Volume in storage at end of year	150,528				
Change in storage	282,556	65%			100%
Storage net evaporation			14,304	3%	100%
Inflows					
Storage inflows	58,818	14%			100%
Downstream tributaries (1)	91,872	21%			100%
Subtotal	150,690	35%			100%
Net water diverted under riparian rights					
Domestic and stock rights (2)			8,000	2%	0%
Native title rights (2)				0%	0%
Subtotal			8,000	2%	0%
Net Water diverted under access licences					
Domestic and stock			754	0%	100%
High security			2,672	1%	100%
General security			202,697	47%	100%
Local water utility			580	0%	100%
Major utility			-	0%	100%
Supplementary water			15,268	4%	100%
Conveyance			26,041	6%	100%
Subtotal			248,013	57%	100%
Environmental water					
Net diversions to wetlands					
End of system flows (3)			78,737	18%	100%
Subtotal			78,737	18%	100%
Other outflows (4)			13,277	3%	100%
Unaccounted difference (5)			70,915	16%	98%
Total	433,246	100%	433,246	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 and any measurement errors recording other components.
6. Environmental water delivery requirements were met 100% of the time throughout 2013-14.