

Water Balance Report

Border Valley 2014 – 2015

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume (1)					
Volume in storage at start of year			150,528		
Volume in storage at end of year			160,531		
Change in storage			10,003	3%	100%
Storage net evaporation			6,496	2%	100%
Inflows					
Storage inflows	72,106	25%			100%
Downstream tributaries (2)	221,570	75%			100%
Subtotal	293,676	100%			100%
Net water diverted under riparian rights					
Domestic and stock rights (3)			8,000	3%	0%
Native title rights (3)			-	0%	0%
Subtotal			8,000	3%	0%
Net Water diverted under access licences					
Domestic and stock			733	0%	100%
High security			419	0%	100%
General security			36,158	12%	100%
Local water utility			506	0%	100%
Major utility			-	0%	100%
Supplementary water			30,408	10%	100%
Interstate Trade			614	0%	
Subtotal			68,838	23%	100%
Environmental water					
Net diversions to wetlands					
End of system flows (4)			94,875	32%	100%
Subtotal			94,875	32%	100%
Other outflows (5)			21,789	7%	100%
Unaccounted difference (6)			83,675	28%	N/A
Total	293,676	100%	293,676	100%	95%

Notes:

- (1) Storage volume includes Glenlyon Dam, Pindari Dam, & Boggabilla Weir.
- (2) 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.
- (3) Water rights are not metered. Values presented are estimated from recommended values provided by NSW DPI or as specified in Water Sharing Plans.
- (4) End of system flow is measured at Mungindi on the Barwon River
- (5) Other outflows consist of Boomi River measured at the Boomi weir offtake
- (6) 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.
- (7) Environmental water delivery requirements were met 100% of the time throughout 2014/15