Water Balance Report

Border Rivers (Pindari and Glenlyon Dams) 2016 - 2017

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			185,625		
Volume in storage at end of year			504,602		
Change in storage			**318,977**	**14.8%**	100%
Storage net evaporation			**4,876**	**0.2%**	100%
Inflows					
Storage Inflows	600,424	28%			100%
Downstream tributaries (2)	1,555,185	72%			100%
Subtotal	**2,155,609**	**100%**			100%
Net Water diverted under water rights					
Domestic and stock rights (3)			8,000	0.4%	0%
Native title rights (3)			0	0.0%	0%
Subtotal			**8,000**	**0.4%**	0%
Net Water diverted under access licences					
Domestic and stock			654	0.0%	100%
High security			929	0.0%	100%
General security			107,449	5.0%	100%
Local water utility			464	0.0%	100%
Major water utility			-	0.0%	100%
Supplementary water			112,469	5.2%	100%
Interstate Trade			9,893	0.5%	100%
Subtotal			**231,857**	**10.8%**	100%
Environmental water					
End of system flows (4)			394,772	18.3%	100%
Subtotal			**394,772**	**18.3%**	100%
Other outflows (5)			**26,678**	**1.2%**	100%
Unaccounted difference (6)			**1,170,449**	**54.3%**	n/a
TOTAL	2,155,609	100%	**2,155,609**	**100.0%**	100%

Notes

(1) Storage volume includes Glenlyon Dam, Pindari Dam & Boggabilla Weir.

(2) Tributary inflows consist of Beardy River at Haystack, Mole River at Donaldson, Dumaresq River at Farnbro, Macintyre River at Wallangra, Weir River estimate of inflows from Decision Support System (CAIRO) and Macintyre Brook from DERM water info.

(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 2016-17.