

# Water Balance Report

## Border Rivers (Pindari and Glenlyon Dams) 2015 - 2016

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
<b>Storage volume (1)</b>					
Volume in storage at start of year			160,531		
Volume in storage at end of year			185,625		
<b>Change in storage</b>			<b>25,094</b>	<b>8%</b>	100%
<b>Storage net evaporation</b>			<b>6,276</b>	<b>2%</b>	100%
<b>Inflows</b>					
Storage Inflows	94,468	29%			100%
Downstream tributaries (2)	235,257	71%			100%
<b>Subtotal</b>	<b>329,725</b>	<b>100%</b>			100%
<b>Net Water diverted under water rights</b>					
Domestic and stock rights (3)			8,000	2%	0%
Native title rights (3)			0	0%	0%
<b>Subtotal</b>			<b>8,000</b>	<b>2%</b>	0%
<b>Net Water diverted under access licences</b>					
Domestic and stock			961	0%	100%
High security			118	0%	100%
General security			48,820	15%	100%
Local water utility			562	0%	100%
Major water utility			0	0%	100%
Supplementary water			41,117	12%	100%
Interstate Trade			7,908	2%	100%
<b>Subtotal</b>			<b>99,486</b>	<b>30%</b>	100%
<b>Environmental water</b>					
End of system flows (4)			77,759	24%	100%
<b>Subtotal</b>			<b>77,759</b>	<b>24%</b>	100%
<b>Other outflows (5)</b>			<b>12,064</b>	<b>4%</b>	100%
<b>Unaccounted difference (6)</b>			<b>101,046</b>	<b>31%</b>	n/a
<b>TOTAL</b>	<b>329,725</b>	<b>100%</b>	<b>329,725</b>	<b>100%</b>	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 Decision Support System (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 2015-16.