

# Water Balance Report

## Border River 2012 – 2013

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
<b>Storage Volume</b>					
Volume in storage at start of year	524,106				
Volume in storage at end of year	433,084				
<b>Change in storage</b>	<b>91,022</b>	<b>7%</b>			<b>100%</b>
<b>Storage net evaporation</b>			<b>9,359</b>	<b>1%</b>	<b>100%</b>
<b>Inflows</b>					
Storage inflows	160,673	12%			100%
Downstream tributaries (1)	1,086,100	81%			100%
<b>Subtotal</b>	<b>1,246,773</b>	<b>93%</b>			<b>100%</b>
<b>Net water diverted under riparian rights</b>					
Domestic and stock rights (2)			8,000	1%	0%
Native title rights (2)			-	-	0%
<b>Subtotal</b>			<b>8,000</b>	<b>1%</b>	<b>0%</b>
<b>Net Water diverted under access licences (3)</b>					
Domestic and stock			646	0%	100%
High security			2,314	0%	100%
General security			203,617	15%	100%
Local water utility			537	0%	100%
Major utility			-	-	100%
Supplementary water			97,605	7%	100%
Interstate Trade			22,340	2%	
<b>Subtotal</b>			<b>327,059</b>	<b>24%</b>	<b>100%</b>
<b>Environmental water</b>					
Net diversions to wetlands					
End of system flows (4)			580,369	43%	100%
<b>Subtotal</b>			<b>580,369</b>	<b>43%</b>	<b>100%</b>
<b>Other outflows (5)</b>			<b>38,765</b>	<b>3%</b>	<b>100%</b>
<b>Unaccounted difference (6)</b>			<b>374,243</b>	<b>28%</b>	<b>n/a</b>
<b>Total</b>	<b>1,337,795</b>	<b>100%</b>	<b>1,337,795</b>	<b>100%</b>	<b>95%</b>

### 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. Net Water diverted under access licences includes Queensland usage.
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.