

# Water Balance Report

## Richmond River 2013 – 2014

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	11,145				
Volume in storage at end of year	10,874				
<b>Change in storage</b>	<b>271</b>	<b>1%</b>			100%
<b>Storage net evaporation (2)</b>	<b>371</b>	<b>1%</b>			100%
<b>Inflows</b>					
Storage inflows (1)	12,668	29%			100%
Downstream tributaries (3)	29,562	70%			50%
<b>Subtotal</b>	<b>42,230</b>	<b>99%</b>			
<b>Net water diverted under riparian rights</b>					
Domestic and stock rights (4)			493	1%	0%
Native title rights					
<b>Subtotal</b>			<b>493</b>	<b>1%</b>	
<b>Net Water diverted under access licences</b>					
Domestic and stock			3	0%	100%
High security			115	0%	100%
General security			835	2%	100%
Local water utility			-		100%
Supplementary water			-		100%
<b>Subtotal</b>			<b>953</b>	<b>2%</b>	
<b>Environmental water</b>					
Net diversions to wetlands (Plans)			-	0%	100%
End of system flows (5)			-	0%	90%
<b>Subtotal</b>			<b>-</b>	<b>0%</b>	
<b>Other outflows</b>					
<b>Unaccounted difference (7)</b>			<b>41,426</b>	<b>97%</b>	98%
<b>Total</b>	<b>42,872</b>	<b>100%</b>	<b>42,872</b>	<b>100%</b>	<b>99%</b>

### Notes:

1. Calculated from volume change, plus evaporation and releases from Toonumbar Dam.
2. Rainfall on storage more than evaporation and volume reported as source.
3. Tributaries where gauged (Eden at Doubtful flow less Ironpot at Toonumbar).
4. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
5. No gauges available - barrage in place during regulated flow.
6. All flows accounted in the mass balance. Actual regulated releases from Toonumbar Dam 3630ML.
7. Unaccounted differences include spills from Dam.
8. Planned environmental water delivery requirements were met 100% in 2013-14.