

Water Balance Report

Richmond River 2012 – 2013

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume					
Volume in storage at start of year	11,368				
Volume in storage at end of year	11,145				
Change in storage	223	0%			100%
Spills			68,867	0%	100%
Storage net evaporation	371	0%			100%
Inflows					
Storage inflows (1)	70,097	24%			100%
Downstream tributaries (2)	217,004	76%			50%
Subtotal	287,101				
Net water diverted under riparian rights					
Domestic and stock rights (3)			480	0%	0%
Native title rights					
Subtotal			480	0%	
Net Water diverted under access licences					
Domestic and stock			-	0%	100%
High security			15	0%	100%
General security			461	0%	100%
Local water utility				0%	100%
Supplementary water				0%	100%
Subtotal			476	0%	100%
Environmental water					
Net diversions to wetlands			-	0%	100%
End of system flows (4)			-	0%	90%
Subtotal			-	0%	
Other outflows					
Unaccounted difference			286,739	100%	100%
Total	287,695	100%	287,695	100%	

Notes:

1. Calculated from volume change, plus evaporation and releases.
2. Tributaries where gauged (Eden at Doubtful flow less Ironpot at Toonumbar).
3. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
4. No gauges available - barrage in place during regulated flow.

All flows accounted in the mass balance, actual regulated releases from Toonumbar Dam is 2,692