

Water Balance Report

Namoi River 2013 – 2014

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	543,023				
Volume in storage at end of year	165,466				
Change in storage	377,557	81%			100%
Storage net evaporation			29,598	6%	100%
Inflows					
Storage inflows	12,614	3%			100%
Downstream tributaries (2)	78,685	17%			85%
Subtotal	91,299	19%			95%
Net water diverted under riparian rights					
Domestic and stock rights (3)			1,936	0%	0%
Native title rights (3)			-	0%	0%
Subtotal			1,936	0%	0%
Net Water diverted under access licences					
Domestic and stock			1,146	0%	100%
High security			641	0%	100%
General security			251,009	54%	100%
Local water utility			1,371	0%	100%
Major utility			-	0%	100%
Supplementary water			17,374	4%	100%
Subtotal			271,542	58%	100%
Environmental water					
Net diversions to wetlands			-		
End of system flows (4)			32,707	7%	100%
Subtotal			32,707	7%	100%
Other outflows (5)			1,702	0%	
Unaccounted difference (6)			131,371	28%	98%
Total	468,856	100%	468,856	100%	95%

Notes:

- Storage volume includes Keepit Dam, Split Rock Dam, Molle Weir and Gunidgera Weir.
- Tributary inflow consists of Peel River @ Carrol Gap, Mooki River @ Ruvigne, Cox's Creek @ Boggabri, Brigalow Creek @ Tharlane and other unmeasured tributary inflows
- Water rights are not metered. Values presented are estimated from recommended values provided by DNR or as specified in Water Sharing Plans.
- End of system flows are measured at Walgett on the Namoi River.
- Other outflows consist of Pian Creek flow measured at Waminda.
- 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.
- Environmental water delivery requirements were met 100% of the time throughout 2013-14.