

Water Balance Report



Namoi System (Keepit and Split Rock Dams) 2016-17

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			102,586		
Volume in storage at end of year			401,298		
Change in storage			298,712	26%	100%
Storage net evaporation			19,370	2%	100%
Inflows					
Storage Inflows	506,427	44%			100%
Downstream tributaries (2)	651,852	56%			85%
Subtotal	1,158,279	100%			95%
Net Water diverted under water 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			957	0%	100%
High security			1,625	0%	100%
General security			135,888	12%	100%
Local water utility			199	0%	100%
Major water utility			-	0%	100%
Supplementary water			74,929	6%	100%
Subtotal			213,597	18%	100%
Environmental water					
End of system flows (4)			557,411	48%	100%
Subtotal			557,411	48%	100%
Other outflows (5)			5,000	0%	
Unaccounted difference (6)			62,252	5%	n/a
TOTAL	1,158,279	100%	1,158,279	100%	95%

Notes

(1) Storage includes Keepit, Split Rock, Gunidgera and Mollee.

(2) Tributary inflow consists of Peel River @ Carrol Gap, Mooki River @ Ruvigne, Cox's Creek @ Boggabri, Brigalow Creek @ Tharlane, Pian Creek @ Waminda and other unmeasured tributary inflow

(3) Water rights are not metered. Values presented are estimated from recommended values provided by DPI or as specified in Water Sharing Plans

(4) End of system flows are measured at Walgett on the Namoi River.

(5) Other outflows consist of Pian Creek flow measured at Waminda.

(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 2016/2107