

Water Balance Report

Namoi Valley 2014 – 2015

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	165,466				
Volume in storage at end of year	65,841				
Change in storage	99,625	67%			100%
Storage net evaporation			8,583	6%	100%
Inflows					
Storage inflows	19,311	13%			100%
Downstream tributaries (2)	29,937	20%			85%
Subtotal	49,248	33%			95%
Net water diverted under riparian rights					
Domestic and stock rights (3)			1,936	1%	0%
Native title rights (3)			-	0%	0%
Subtotal			1,936	1%	0%
Net Water diverted under access licences					
Domestic and stock			1,162	1%	100%
High security			1,885	1%	100%
General security			62,795	42%	100%
Local water utility			512	0%	100%
Major utility			-	0%	100%
Supplementary water			-	0%	100%
Subtotal			66,354	45%	100%
Environmental water					
Net diversions to wetlands					
End of system flows (4)			1,499	1%	100%
Subtotal			1,499	1%	100%
Other outflows (5)			808	1%	
Unaccounted difference (6)			69,693	47%	N/A
Total	148,873	100%	148,873	100%	95%

Notes:

(1) Storage volume includes Keepit Dam, Split Rock Dam, Molle Weir and Gunidgera Weir.

(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 inflows.

(3) Water rights are not metered. Values presented are estimated from recommended values provided by NSW 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 2014/15