Water Balance Report

Namoi System (Keepit and Split Rock Dams) 2015-16

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			65,841		
Volume in storage at end of year			102,586		
Change in storage			**36,745**	**20%**	100%
Storage net evaporation			**8,218**	**4%**	100%
Inflows					
Storage Inflows	91,760	49%			100%
Downstream tributaries (2)	95,346	51%			85%
Subtotal	**187,106**	**100%**			95%
Net Water diverted under water 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			943	1%	100%
High security			1,700	1%	100%
General security			15,208	8%	100%
Local water utility			1,807	1%	100%
Major water utility			-	0%	100%
Supplementary water			18,677	10%	100%
Subtotal			**38,335**	**20%**	100%
Environmental water					
End of system flows (4)			25,166	13%	100%
Subtotal			**25,166**	**13%**	100%
Other outflows (5)			**1,199**	**1%**	
Unaccounted difference (6)			**75,507**	**40%**	n/a
TOTAL	**187,106**	**100%**	**187,106**	**100%**	**95%**

Notes

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

(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 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 2015/2106