

Water Balance Report

Namoi 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	755,781				
Volume in storage at end of year	543,023				
Change in storage	212,758	31%			100%
Storage net evaporation			28,424	4%	100%
Inflows					
Storage inflows	140,305	21%			100%
Downstream tributaries (1)	327,100	48%			85%
Subtotal	467,405	69%			95%
Net water diverted under riparian rights					
Domestic and stock rights (2)			1,936	0%	100%
Native title rights (2)			-	0%	100%
Subtotal			1,936	0%	100%
Net Water diverted under access licences					
Domestic and stock			715	0%	100%
High security			735	0%	100%
General security			232,395	33%	100%
Local water utility			940	0%	100%
Major utility			-	0%	100%
Supplementary water			46,463	7%	100%
Subtotal			281,247	41%	100%
Environmental water					
End of system flows (3)			212,118	31%	100%
Subtotal			212,118	31%	100%
Other outflows (4)			6,964	1%	
Unaccounted difference (5)			149,474	22%	n/a
Total	680,163		680,163	100%	95%

Notes:

1. Tributary inflow consists of Peel River @ Carrol Gap, Mooki River @ Ruvigne, Cox's Creek @ Boggabri, Brigalow Creek @ Tharlane, and other unmeasured tributary inflows
2. Water rights are not metered. Values presented are estimated from recommended values provided by DNR or as specified in Water Sharing Plans.
3. End of system flows are normally measured at Walgett on the Namoi River.
4. Other outflows consist of Pian Creek flow measured at Waminda.
5. 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.