Water Balance Report

Murrumbidgee Valley 2011 – 2012

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume					
Storage volume at start of year			2,502,875		
Storage volume at end of year			2,532,039		
Change in storage			**29,164**	0.5%	100%
Storage net evaporation			**38,378**	1%	100%
Inflows					
Storage inflows	3,699,471	59%			100%
Downstream tributaries	2,546,927	41			100%
Subtotal	**6,246,398**	**100%**			100%
Net water diverted under water rights					
Domestic and stock			4,560		0%
Native title rights			-		0%
Subtotal			**4,560**	0.1%	0%
Net water diverted under access licences					
Domestic and stock			23,653		100%
High security			352,582		100%
General security			1,022,493		100%
Local water utility			7,637		100%
Major water utility			-		100%
Supplementary water			139,786		100%
Conveyance			192,275		100%
Subtotal			**1,738,426**	28%	100%
Environmental water					
Net diversions to wetlands			-		
End of system flows			2,874,563		100%
Subtotal			**2,874,563**	46%	100%
Other outflows					
Other outflows			-	0%	100%
Unaccounted difference			**1,561,307**	25%	99%
Total	**6,246,398**		**6,246,398**	100%	

Notes:

1. Includes Burrinjuck Dam, Blowering Dam, Berembed Weir, Bundidgerry Storage, Tombullen Storage, Gogelderie Weir, Hay Weir, Maude Weir, Redbank Weir.
2. Downstream tributaries include gauged flows from Goobaragandra R, Jugiong Ck, Muttama Ck, Adjungbilly Ck, Adelong Ck, Tarcutta Ck, Kyemba Ck, Billabong Ck and Finley Escape. Ungauged tributary were estimated from the increase in the mass balance.
3. These rights are not metered. Values presented are estimated based on recommended values provided in the Water Sharing Plan.
4. Other outflows include flows to Lowbidgee, excluding those flows reported in 'Net diversions to wetlands' including EWA deliveries.
5. End of system flows include Balranald, Darlot and Warriston Weir.

6. Unaccounted difference is estimated as the difference between inflows, outflows and the change in storage. It includes river evaporation, seepage, net overbank flows, theft, measurement inaccuracies and other unknowns.