

Water Balance Report

Murrumbidgee Valley 2010 – 2011

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			1,199,059		
Volume in storage at end of year			2,502,875		
Change in storage			1,303,816	18%	100%
Storage net evaporation			67,374	1%	100%
Inflows					
Storage inflows	3,996,847	54%			100%
Downstream tributaries (2)	3,409,944	46%			100%
Subtotal	7,406,791	100%			100%
Net water diverted under water rights					
Domestic and stock (3)			4,560		0%
Native title rights (3)			-		0%
Subtotal			4,560	0.1%	0%
Net water diverted under access licences					
Domestic and stock			18,955		100%
High security			208,634		100%
General security			698,933		100%
Local water utility			8,006		100%
Major water utility			-		100%
Supplementary water			167,762		100%
Conveyance			177,470		100%
Subtotal			1,279,760	17%	100%
Environmental water					
Net diversions to wetlands (4)			35,444		100%
End of system flows (5)			3,087,871		100%
Subtotal			3,123,315	42%	100%
Other outflows			116,631	2%	100%
Unaccounted difference (6)			1,511,335	20%	99%
Total	7,406,791		7,406,791	100%	99%

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.