

Murrumbidgee Valley Draft Water Balances - 2010/11



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			1,185,234		
Volume in storage at end of year			2,503,100		
Change in storage			1,317,866	18%	100%
Storage net evaporation			67,418	1%	100%
Inflows					
Storage inflows	3,996,979	54%			100%
Downstream tributaries (2)	3,409,343	46%			100%
Subtotal	7,406,322	100%			100%
Net Water diverted under water rights					
Domestic and stock rights (3)			4,560	0.1%	0%
Native title rights (3)			-	0.0%	0%
Subtotal			4,560	0.1%	0%
Net Water diverted under access licences					
Domestic and stock			18,258	0.2%	100%
High security			204,276	2.8%	100%
General security			694,369	9.4%	100%
Local water utility			8,040	0.1%	100%
Major water utility			-	0.0%	100%
Supplementary water			168,197	2.3%	100%
Conveyance			177,496	2.4%	100%
Subtotal			1,270,636	17%	100%
Environmental water					
Net diversions to wetlands			223,139	3.0%	100%
End of system flows (4)			3,015,789	40.7%	100%
Subtotal			3,238,928	44%	100%
Other outflows (5)			116,631	2%	100%
Unaccounted difference (6)			1,390,283	19%	99%
TOTAL	7,406,322	100%	7,406,322	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 the Goobragandra R, Jugiong Ck, Muttama Ck, Adjungbilly Ck, Adelong Ck, Tarcutta Ck, Kyemba Ck, Billabong Ck and the Finely Escape. Ungauged tributaries were estimated from the increase in mass balance

(3) Water rights are not metered. Values presented are estimated from recommended values provided in the Water Sharing Plan.

(4) End of system flows include Balranald, Darlot and Warriston Weir.

(5) Other outflows are flows to Lowbidgee, excluding those Lowbidgee flows reported under 'Net diversions to wetlands'.

(6) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows, theft and any measurement errors recording other components.