

Murrumbidgee Valley Water Balances - 2009/10

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	947,421				
Volume in storage at end of year	1,198,377				
Change in storage			250,956	15%	100%
Storage net evaporation			255	0%	100%
Inflows					
Storage inflows	1,377,714	82%			100%
Downstream tributaries (2)	292,397	18%			100%
Subtotal	1,670,111	100%			100%
Net Water diverted under water rights					
Domestic and stock rights (3)			4,560	0.3%	0%
Native title rights (3)			-	0.0%	0%
Subtotal			4,560	0.3%	0%
Net Water diverted under access licences					
Domestic and stock			27,001	1.6%	100%
High security			241,523	14.5%	100%
General security			272,745	16.3%	100%
Local water utility			12,714	0.8%	100%
Major water utility			-	0.0%	100%
Supplementary water			23,552	1.4%	100%
Conveyance			245,630	14.7%	100%
Subtotal			823,165	49%	100%
Environmental water					
Net diversions to wetlands			35,009	2.1%	100%
End of system flows (4)			231,089	13.8%	100%
Subtotal			266,098	16%	100%
Other outflows (5)			16,948	1%	100%
Unaccounted difference (6)			308,129	18%	99%
TOTAL	1,670,111	100%	1,670,111	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 between Burrinjuck Dam and Wagga Wagga.

(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.