

Water Balance Report

Murrumbidgee Valley 2014 – 2015

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	1,681,535				
Volume in storage at end of year	1,017,211				
Change in storage	664,324	24%			100%
Storage net evaporation			12,998	0%	100%
Inflows					
Storage inflows	1,708,556				100%
Downstream tributaries (2)	339,905				100%
Subtotal	2,048,461	76%			100%
Net water diverted under basic rights					
Domestic and stock rights (3)			4,560		0%
Native title rights (3)			0		0%
Subtotal			4,560	0%	0%
Net Water diverted under access licences					
Domestic and stock			30,949		100%
High security			319,823		100%
General security			1,076,334		100%
Local water utility			10,309		100%
Major utility			0		100%
Supplementary water (4)			179,706		100%
Conveyance			248,190		100%
Subtotal			1,865,310	69%	100%
Environmental water					
Net Diversion to wetlands (5)			73,068		100%
End of System Flows (6)			493,129		100%
Subtotal			566,197	21%	100%
Other outflows (7)			0	0%	100%
Unaccounted difference (8)			263,720	10%	99%
Total	2,712,785	100%	2,712,785	100%	100%

Notes:

1. Includes Burrinjuck Dam, Blowering Dam, Berembed Weir, Bundiggerry 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, Hillas 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. Includes Supplementary, Supplementary (Lowbidgee) category of licences and diversions debited as General Security - Uncontrolled Flow
5. Includes EWA deliveries to Paika Lake, Oak Creek, Coonancoobail Lagoon, Tuckerbill Swamp and Lowbidgee wetlands
6. End of system flows include Balranald, Darlot and Warriston Weir including EWA and IVT water measured at Balranald. EoS flow corrected for extraction that occur downstream of Darlot and Balranald.
7. Other outflows include flows to Lowbidgee before Supplementary Licences were issued, excluding those flows reported in Net diversions to wetlands' including EWA deliveries.
8. 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'.
9. Planned Environmental Requirement were met 100% in 2014-15.