



Lachlan Valley Water Balance 2006/07

Water Balance Component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume					
Volume in storage at start of year	269,530				100%
Volume in storage at end of year	131,251				100%
Change in storage	138,279	55%			100%
Storage net evaporation (1)			30,280	12%	100%
Inflows					
Storage inflows	105,213	42%			100%
Downstream tributaries (2)	6,028	2%			100%
Subtotal	111,241	45%			100%
Net water diverted under water rights (3)					
Domestic and stock rights			4,211	2%	0%
Native title rights			0	0%	0%
Subtotal			4,211	2%	0%
Net water diverted under access licences					
Domestic and stock			7,067	3%	100%
High security			12,951	5%	100%
General security			24,699	10%	100%
Local water utility			8,747	4%	100%
Major water utility			0	0%	
Supplementary water			0	0%	
Conveyance			2,457	1%	100%
Subtotal			55,921	22%	100%
Environmental water					
Net diversion to wetlands			0	0%	100%
End of system flows (4)			15,995	6%	100%
Subtotal			15,995	6%	100%
Other Outflows (5)			6,918	3%	100%
Unaccounted difference (6)			136,195	55%	
TOTAL	249,520	100%	249,520	100%	

Notes:

(1) The evaporation figure includes net evaporation loss from Wyangala Dam and Lake Cargelligo. (Lake Brewster remained empty).

(2) Downstream tributaries include Boorowa R and Belubula R. Ungauged tributaries were estimated from the increase in mass balance between Wyangala Dam and Forbes.

(3) Water rights are not metered. Values presented are as specified in Water Sharing Plan.

(4) End of system flows at Booligal, above water orders. Flow at the homestead on Willandra Ck were zero.

(5) Other outflows - Replenishment flow into Booberoi Creek. There was no flow to Willandra Creek below Homestead, Merrowie Ck, Merrimajeel and Muggabah Creeks.

(6) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows and any measurement errors recording other components. This also includes the delivery losses in the regulated section of Willandra Ck.