

Water Balance Report

Lachlan 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	589,544				100%
Volume in storage at end of year	470,007				100%
Change in storage	119,537	29%			100%
Storage net evaporation (2)			46,889	11%	100%
Inflows					
Storage inflows	268,884	65%			100%
Downstream tributaries (3)	26,991	6%			100%
Subtotal	295,875	71%			100%
Net water diverted under riparian rights (4)					
Domestic and stock rights			4,211	1%	0%
Native title rights			0	0%	0%
Subtotal			4,211	1%	0%
Net Water diverted under access licences					
Domestic and stock			5,138	1%	100%
High security (5)			37,900	9%	100%
General security			109,797	26%	100%
Local water utility			7,858	2%	100%
Major utility (6)			0	0%	
Supplementary water			0	0%	
Conveyance			14,987	4%	100%
Subtotal			175,680	42%	100%
Environmental water					
Net diversions to wetlands (7)			0	0%	100%
End of system flows (8)			27,625	7%	100%
Subtotal			27,625	7%	100%
Other outflows (9)			24,789	6%	100%
Unaccounted difference (10)			136,219	33%	
Total	415,412	100%	415,412	100%	

Notes:

- (1) Storage volume includes Wyangala Dam, Lake Cargelligo and Lake Brewster.
- (2) The evaporation figure includes net evaporation loss from Wyangala Dam, Lake Cargelligo and Lake Brewster.
- (3) Downstream tributaries include Boorowa R and Belubula R. Contributions from ungauged tributaries were assessed as nil.
- (4) Water rights are not metered. Values presented are as specified in Water Sharing Plan.
- (5) Includes trading of allocations from Commonwealth environmental licences into state environmental licences.
- (6) There are no Major Water Utility or Supplementary licences in Lachlan
- (7) Planned environmental water delivery requirements were met 100% in 2014-15. Translucent environmental releases were not triggered.
- (8) Net flows in Willandra Ck at the homestead and at Booligal Weir over and above water extracted downstream are accounted as end of system
- (9) Other outflows - Stock and domestic flows monitored into Booberoi Ck (12,012ML), Merrowie Ck (7,619ML), Merrimajeel Ck (2,829ML) and
- (10) Unaccounted difference is estimated as the difference between inflows, outflows and change in channel storage. This includes river evaporation,