

Water Balance Report

Murray Lower Darling 2012 – 2013

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	3,534,210				
Volume in storage at end of year	2,683,660				
Change in storage	850,550	22%			100%
Storage net evaporation			385,540	10%	100%
Inflows					
Storage inflows	2,223,720	57%			100%
Downstream tributaries (2)	836,870	21%			100%
Subtotal	3,060,590	78%			100%
Net water diverted under riparian rights					
Domestic and stock rights			5,845	0%	0%
Native title rights (3)			-	0%	0%
Subtotal			5,845	0%	0%
Net Water diverted under access licences					
Domestic and stock			10,342	0%	100%
High security			110,243	3%	100%
General security			1,080,867	28%	100%
Local water utility			23,263	1%	100%
Major utility			-	0%	100%
Supplementary water			137,103	4%	100%
Conveyance			359,305	9%	100%
Subtotal			1,721,123	44%	100%
Environmental water					
Net diversions to wetlands			-		
End of system flows (4)			1,215,860	0%	100%
Subtotal			1,215,860	31%	100%
Other outflows					
Unaccounted difference (5)			582,772	15%	99%
Total	3,911,140	100%	3,911,140	100%	99%

Notes:

- Storage Volume includes Hume, Darmouth, Menindee and Dartmouth.
- Downstream tributaries include gauged flows from the Keiwa R (NSW share), Murrumbidgee R and Billabong Ck and internal spills in Lake Victoria
- Basic Water Right extractions are not metered. Values presented are estimated from recommended values provided in the Water Sharing Plan (Murray 2,118 ML; Lower Darling 3727 ML).
- End of system flow is the NSW share of the flow across the South Australian border after adjustment for water trades.
- 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.
- Planned Environmental Requirement were met 100% in 2013-14.