

## **Murrumbidgee Valley Water Balance 2008/09**

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
<b>Storage volume (1)</b>					
Volume in storage at start of year	1,040,614				
Volume in storage at end of year	947,421				
<b>Change in storage</b>	<b>93,193</b>	<b>9%</b>			100%
<b>Storage net evaporation</b>			<b>6,463</b>	<b>1%</b>	100%
<b>Inflows</b>					
Storage inflows	826,781	76%	4,560	0.4%	100%
Downstream tributaries (2)	169,073	16%	-	0.0%	100%
<b>Subtotal</b>	<b>995,854</b>	<b>91%</b>	<b>4,560</b>	<b>0.4%</b>	100%
<b>Net Water diverted under water rights</b>					
Domestic and stock rights (3)			4,560	0.4%	0%
Native title rights (3)			-	0.0%	0%
<b>Subtotal</b>			<b>4,560</b>	<b>0.4%</b>	0%
<b>Net Water diverted under access licences</b>					
Domestic and stock			28,845	2.6%	100%
High security			178,712	16.4%	100%
General security			195,261	17.9%	100%
Local water utility			14,241	1.3%	100%
Major water utility			-	0.0%	100%
Supplementary water			1,649	0.2%	100%
Conveyance			149,873	13.8%	100%
<b>Subtotal</b>			<b>568,581</b>	<b>52%</b>	100%
<b>Environmental water</b>					
Net diversions to wetlands			-	0.0%	100%
End of system flows (4)			137,595	12.6%	100%
<b>Subtotal</b>			<b>137,595</b>	<b>13%</b>	100%
<b>Other outflows (5)</b>			27,091	<b>2%</b>	100%
<b>Unaccounted difference (6)</b>			<b>344,758</b>	<b>32%</b>	99%
<b>TOTAL</b>	<b>1,089,047</b>	<b>100%</b>	<b>1,089,047</b>	<b>100%</b>	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.