

Murrumbidgee Valley Water Balance 2005-06

State
water

| 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 | | | 580,809 | | |
| Volume in storage at end of year | | | 1,231,335 | | |
| Change in storage | | | 650,526 | 18% | 100% |
| Storage net evaporation | | | 4,772 | 0% | 100% |
| Inflows | | | | | |
| Storage inflows | 2,686,361 | 73% | | | 100% |
| Downstream tributaries (1) | 988,609 | 27% | | | 100% |
| Subtotal | 3,674,970 | 100% | | | 100% |
| Net Water diverted under water rights | | | | | |
| Domestic and stock rights (2) | | | 4,560 | 0% | 0% |
| Native title rights (2) | | | - | 0% | 0% |
| Subtotal | | | 4,560 | 0% | 0% |
| Net Water diverted under access licences | | | | | |
| Domestic and stock | | | 33,458 | 1% | 100% |
| High security | | | 263,650 | 7% | 100% |
| General security | | | 1,267,397 | 35% | 100% |
| Local water utility | | | 13,349 | 0% | 100% |
| Major water utility | | | - | 0% | 100% |
| Supplementary water | | | 88,933 | 2% | 100% |
| Conveyance | | | 276,163 | 7% | 100% |
| Subtotal | | | 1,942,950 | 53% | 100% |
| Environmental water | | | | | |
| Net diversions to wetlands | | | 24,431 | 1% | 100% |
| End of system flows (3) | | | 336,259 | 9% | 100% |
| Subtotal | | | 360,690 | 10% | 100% |
| Other outflows (4) | | | 234,410 | 6% | 100% |
| Unaccounted difference (5) | | | 477,158 | 13% | 99% |
| TOTAL | 3,674,970 | 100% | 3,674,970 | 100% | 99% |

Notes

(1) 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 Burinjuck Dam and Wagga Wagga.

(2) Water rights are not metered. Values presented are estimated from recommended values provided in the Water Sharing Plan.

(3) End of system flows include Balranald, Darlot and Warriston Weir.

(4) Other outflows are flows to Lowbidgee, excluding those Lowbidgee flows reported under 'Net diversions to wetlands'.

(5) 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.