



## Border Rivers Water Balance 2006/07

| 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                  | 280,296          |             |                       |             |                      |
| Volume in storage at end of year                    | 106,712          |             |                       |             |                      |
| <b>Change in storage</b>                            | <b>173,584</b>   | <b>52%</b>  |                       |             | 100%                 |
| <b>Storage net evaporation (2)</b>                  |                  |             | <b>18,090</b>         | <b>5%</b>   | 100%                 |
| <b>Inflows</b>                                      |                  |             |                       |             |                      |
| Storage Inflows                                     | 77,049           | 23%         |                       |             | 100%                 |
| Downstream tributaries (3)                          | 80,744           | 24%         |                       |             | 100%                 |
| <b>Subtotal</b>                                     | <b>157,793</b>   | <b>48%</b>  |                       |             | 100%                 |
| <b>Net Water diverted under water rights (4)</b>    |                  |             |                       |             |                      |
| Domestic and stock rights                           |                  |             | 8,000                 | 2%          | 0%                   |
| Native title rights                                 |                  |             | -                     | 0%          | 0%                   |
| <b>Subtotal</b>                                     |                  |             | <b>8,000</b>          | <b>2%</b>   | 0%                   |
| <b>Net Water diverted under access licences (5)</b> |                  |             |                       |             |                      |
| Domestic and stock                                  |                  |             | 2,640                 | 1%          | 100%                 |
| High security                                       |                  |             | -                     | 0%          | 100%                 |
| General security                                    |                  |             | 129,295               | 51%         | 100%                 |
| Local water utility                                 |                  |             | -                     | 0%          | 100%                 |
| Major water utility                                 |                  |             | -                     | 0%          | 100%                 |
| Supplementary water                                 |                  |             | -                     | 0%          | 100%                 |
| Conveyance  |                  |             | -                     | 0%          | 100%                 |
| <b>Subtotal</b>                                     |                  |             | <b>131,935</b>        | <b>52%</b>  | 100%                 |
| <b>Environmental water</b>                          |                  |             |                       |             |                      |
| Net diversions to wetlands                          |                  |             | -                     | 0%          | 100%                 |
| End of system flows (6)                             |                  |             | 27,363                | 8%          | 100%                 |
| <b>Subtotal</b>                                     |                  |             | <b>27,363</b>         | <b>8%</b>   | 100%                 |
| <b>Other outflows (7)</b>                           |                  |             | <b>9,445</b>          | <b>3%</b>   | 100%                 |
| <b>Unaccounted difference (8)</b>                   |                  |             | <b>136,544</b>        | <b>29%</b>  | 98%                  |
| <b>TOTAL</b>  | <b>331,377</b>   | <b>100%</b> | <b>331,377</b>        | <b>100%</b> | 98%                  |

### Notes

(1) Includes volume in Pindari Dam Glenlyon Dam and Boggabilla Weir

(2) Include net evaporation from Pindari Dam and Glenlyon Dam

(3) Downstream tributaries include gauged flows from Severn R, Mole R, Beardy R, Macintyre Brook. Ungauged tributaries were estimated from the increase in mass balance between Glenlyon Dam and Roseneath.

(4) Water rights are not metered. Values presented are estimated from recommended values provided by the draft Water Sharing Plan.

(5) Includes diversions by both NSW and Qld

(6) End of system flow is measured at Mungindi.

(7) Other outflows - stock and domestic replenishments of Boomi R.

(8) 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.