

Water Balance Report

Hunter River 2010 – 2011

| Water balance component | Sources of water | | Distribution of water | | % of volume measured |
|---|------------------|-------------|-----------------------|-------------|----------------------|
| | Volume (ML) | % of total | Volume (ML) | % of total | |
| Storage Volume | | | | | |
| Combined volume in storage at start of year | | | 700,093 | | |
| Volume in storage at end of period | | | 967,482 | | |
| Change in storage | - | 0 | 267,390 | 20% | 100% |
| Barnard Reserve (4) | 11,524 | 1% | 11,524 | 1% | 100% |
| Spills | | | - | | 100% |
| Storage net evaporation | | | 21,699 | 2% | 100% |
| Inflows | | | | | |
| Storage inflows (1) | 341,404 | 25% | | 0% | 100% |
| Downstream tributaries (2) | 1,013,396 | 74% | | 0% | 60% |
| Subtotal | 1,354,799 | 99% | | 0% | |
| Net water diverted under riparian rights | | | | | |
| Domestic and stock rights (3) | | | 5,400 | 0% | 0% |
| Native title rights | | | | 0% | |
| Subtotal | | | 5,400 | 0% | |
| Net Water diverted under access licences | | | | | |
| Domestic and stock | | | 526 | 0% | 100% |
| High security | | | 6,700 | 0% | 100% |
| General security | | | 35,693 | 3% | 100% |
| Local water utility | | | 6,149 | 0% | 100% |
| Major utility | | | 23,202 | 2% | 100% |
| Supplementary water | | | 43,239 | 3% | 100% |
| Subtotal | | | 115,509 | 8% | |
| Environmental water | | | | | |
| Environmental flows (Plan) | | | 32,910 | 2% | 100% |
| End of water source flows (5) | | | 911,892 | 67% | 90% |
| Subtotal | | | 944,802 | 69% | |
| Other outflows | | | | | |
| Unaccounted difference (6) | | | - | 0% | |
| Total | 1,366,323 | 100% | 1,366,323 | 100% | |

Notes:

1. Calculated from Glenbawn and Glennies Creek Dams evaporation and releases, less storage drawdown and Barnard Reserve inflows.
2. Downstream tributaries - assessed by mass balance at Greta -
3. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
4. Barnard Reserve accumulates from an inter valley physical transfer. Volume for 2010-11. Total Barnard 52,389
5. Gauged at Greta (not the end) - flows greater than environmental target are provided
6. The actual combined regulated releases from Glenbawn and Glennies Creek Dams

Note: Controlled release for salinity dilution in April