

Water Balance Report

Peel Valley 2010 – 2011

| Water balance component | Sources of water | | Distribution of water | | % of volume measured |
|---|------------------|-------------|-----------------------|-------------|----------------------|
| | Volume (ML) | % of total | Volume (ML) | % of total | |
| Storage volume | | | 55,455 | | |
| Volume in storage at start of year | | | 62,207 | | |
| Volume in storage at end of year | | | 6,752 | 1% | 100% |
| Change in storage | | | 1,441 | 0% | 100% |
| Storage net evaporation | | | | | |
| Inflows | | | | | |
| Storage inflows | 123,264 | 20% | | | 100% |
| Downstream tributaries (1) | 478,214 | 80% | | | 85% |
| Subtotal | 601,478 | 100% | | | 95% |
| Net water diverted under water rights | | | | | |
| Domestic and stock rights (2) | | | 299 | 0% | 0% |
| Native title rights (2) | | | - | 0% | 0% |
| Subtotal | | | 299 | 0% | 0% |
| Net water diverted under access licences | | | | | |
| Domestic and stock | | | 42 | 0% | 100% |
| High security | | | 189 | 0% | 100% |
| General security | | | 3,267 | 1% | 100% |
| Local water utility | | | 3,417 | 1% | 100% |
| Major water utility | | | - | 0% | 100% |
| Supplementary water | | | - | 0% | 100% |
| Subtotal | | | 6,915 | 1% | 100% |
| Environmental water | | | | | |
| End of system flows (3) | | | 579,866 | 96% | 100% |
| Subtotal | | | 579,866 | 96% | 100% |
| Other outflows | | | | | |
| Unaccounted difference (4) | | | 6,205 | 1% | n/a |
| Total | 601,478 | 100% | 601,478 | 100% | 95% |

Notes:

1. Tributary inflow consists of Goonoo Goonoo Creek @ Timbumburi, Cockburn River @ Mulla Crossing and positive AUD's from major gaining sections in CAIRO
2. Water rights are not metered. Values presented are estimated from recommended values provided by NOW or as specified in Water Sharing Plans.
3. End of system flows are measured at Peel River at Carrol Gap
4. 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.