

## Water Balance Report - Namoi System - 2019 - 2020

| Water balance component                         | Sources of water |             | Distribution of water |             | % of volume measured |
|---|------------------|-------------|-----------------------|-------------|----------------------|
|   | Volume (ML)      | % of total  | Volume (ML)           | % of total  |                      |
| <b>Storage volume</b>                           |                  |             |                       |             |                      |
| Volume in storage at start of year              | 22,937           |             | 22,937                |             |                      |
| Volume in storage at end of year                | 91,038           |             | 91,038                |             |                      |
| <b>Change in storage</b>                        |                  |             | 68,101                | 30%         | 100%                 |
| Storage net evaporation                         |                  |             | 2,485                 | 1%          | 100%                 |
| <b>Inflows</b>                                  |                  |             |                       |             |                      |
| Storage Inflows                                 | 74,478           | 33%         |                       |             | 100%                 |
| Downstream tributaries (1)                      | 149,848          | 67%         |                       |             | 85%                  |
| <b>Subtotal</b>                                 | <b>224,326</b>   | <b>100%</b> |                       |             | <b>95%</b>           |
| <b>Net Water diverted under water rights</b>    |                  |             |                       |             |                      |
| Domestic and stock rights (2)                   |                  |             | 1,936                 | 1%          | 0%                   |
| Native title rights (2)                         |                  |             | -                     | 0%          | 0%                   |
| <b>Subtotal</b>                                 |                  |             | <b>1,936</b>          | <b>1%</b>   | <b>0%</b>            |
| <b>Net Water diverted under access licences</b> |                  |             |                       |             |                      |
| Domestic and stock                              |                  |             | 506                   | 0%          | 100%                 |
| High security                                   |                  |             | 694                   | 0%          | 100%                 |
| General security                                |                  |             | 3,043                 | 1%          | 100%                 |
| Local water utility                             |                  |             | 289                   | 0%          | 100%                 |
| Major water utility                             |                  |             | -                     | 0%          | 100%                 |
| Supplementary water                             |                  |             | 8,271                 | 4%          | 100%                 |
| <b>Subtotal</b>                                 |                  |             | <b>12,801</b>         | <b>6%</b>   | <b>100%</b>          |
| <b>Environmental water</b>                      |                  |             |                       |             |                      |
| End of system flows (3)                         |                  |             | 98,638                | 44%         | 100%                 |
| <b>Subtotal</b>                                 |                  |             | <b>98,638</b>         | <b>44%</b>  | <b>100%</b>          |
| Other outflows (4)                              |                  |             | 4,466                 | 2%          |                      |
| Unaccounted difference (5)                      |                  |             | 35,899                | 16%         | n/a                  |
| <b>Total</b>                                    | <b>224,326</b>   | <b>100%</b> | <b>224,326</b>        | <b>100%</b> | <b>95%</b>           |

### Notes

- (1) Tributary inflow consists of Peel River @ Carrol Gap, Mooki River @ Ruvigne, Cox's Creek @ Boggabri, Brigalow Creek @ Tharlane, Pian Creek @ Waminda and other unmeasured tributary inflows
- (2) Water rights are not metered. Values presented are estimated from recommended values provided by NRAR or as specified in Water Sharing Plans.
- (3) End of system flows are measured at Walgett on the Namoi River.
- (4) Other outflows consist of Pian Creek flow measured at Waminda.
- (5) Unaccounted difference is estimated as the difference between inflows, outflows and change in storage. This includes river evaporation, seepage, overbank flows and any measurement errors recording other components.