

## Department of Water and Sanitation

SAFPUB V02 Output 20/04/2025

| Station        |                                                              |                                                      |                |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description              | Page | 1 |
|----------------|--------------------------------------------------------------|------------------------------------------------------|----------------|--------------|----------------------|-----------------------|--------------------|-------------------------|--------------------------|------|---|
| <b>A1R001</b>  | <b>Ngotwane River @ Moilwas Gopane Mogomane-Ngotwane Dam</b> |                                                      |                |              | <b>25:11:55</b>      | <b>25:48:48</b>       | <b>A10A</b>        | <b>531</b>              | <b>Ngotwane Dam</b>      |      |   |
| FSL Parameters | Gauge Plate                                                  | Reduced Level                                        | Surface area   | Net capacity | Gross capacity       |                       |                    |                         |                          |      |   |
|                | (m)                                                          | (m)                                                  | (ha)           | (mill m**3)  | (mill m**3)          |                       |                    |                         |                          |      |   |
|                | 9.97                                                         | 1112.23                                              | 401.60         | 19.43        | 19.88                |                       | 1981-10-01         |                         | Original                 |      |   |
|                | 9.97                                                         | 1112.23                                              | 401.30         | 19.17        | 19.53                |                       | 1995-10-01         |                         | Basin survey             |      |   |
|                | 9.97                                                         | 1112.23                                              | 391.10         | 19.03        | 19.40                |                       | 2005-07-13         |                         | Basin survey             |      |   |
| Data           |                                                              |                                                      |                |              |                      |                       | Data Period        |                         |                          |      |   |
|                | 100.00                                                       | Level                                                | (Metres)       |              |                      |                       | 1997-01-06         | 2025-01-08              | 16% missing              |      |   |
| Components     |                                                              |                                                      |                |              |                      |                       | Component Period   |                         |                          |      |   |
|                | A1E001                                                       | Moilwas (Gopane)                                     | @ Ngotwane Dam |              |                      |                       | 1996-07-01         | 2010-05-26              |                          |      |   |
|                | A1H007                                                       | Pipeline from Dam @ Moilwas (Gopane)                 |                |              |                      |                       | 1996-07-01         | 2010-05-26              |                          |      |   |
|                | A1R001                                                       | Ngotwane River @ Moilwas Gopane Mogomane-Ngotwane    | Dam            |              |                      |                       | 1997-01-06         |                         |                          |      |   |
| <b>A2R001</b>  | <b>Krokodil River @ Hartbeesfontein - Hartbeespoort Dam</b>  |                                                      |                |              | <b>25:43:32</b>      | <b>27:50:55</b>       | <b>A21H</b>        | <b>4014</b>             | <b>Hartbeespoort Dam</b> |      |   |
| FSL Parameters | Gauge Plate                                                  | Reduced Level                                        | Surface area   | Net capacity | Gross capacity       |                       |                    |                         |                          |      |   |
|                | (m)                                                          | (m)                                                  | (ha)           | (mill m**3)  | (mill m**3)          |                       |                    |                         |                          |      |   |
|                | 17.68                                                        | 1159.88                                              | 1743.87        | 165.85       | 184.99               |                       | 1922-10-01         |                         | Original                 |      |   |
|                | 17.68                                                        | 1159.88                                              | 1681.18        | 143.33       | 153.49               |                       | 1960-10-01         |                         | Basin survey             |      |   |
|                | 20.12                                                        | 1162.34                                              | 2067.75        | 189.54       | 199.74               |                       | 1970-10-01         |                         | Gates installed          |      |   |
|                | 20.12                                                        | 1162.34                                              | 2065.60        | 189.46       | 198.67               |                       | 1979-10-01         |                         | Basin survey             |      |   |
|                | 20.12                                                        | 1162.34                                              | 2065.20        | 186.44       | 195.05               |                       | 1990-10-01         |                         | Basin survey             |      |   |
|                | 20.12                                                        | 1162.34                                              | 2058.37        | 185.79       | 193.31               |                       | 2008-10-01         |                         | Basin survey             |      |   |
| Data           |                                                              |                                                      |                |              |                      |                       | Data Period        |                         |                          |      |   |
|                | 100.00                                                       | Level                                                | (Metres)       |              |                      |                       | 1922-10-01         | 2025-01-13              |                          |      |   |
|                | 215.00                                                       | Tot Gates' Vol(Ml)                                   | Gate Discharge | Volume       |                      |                       | 1970-09-30         | 2025-01-31              | 1% missing               |      |   |
|                | 230.09                                                       | Level (m)                                            | Cello primary  | hg           |                      |                       | 2014-01-01         | 2016-07-22              | 39% missing              |      |   |
|                | 374.00                                                       | G21: Tot outfl (Ml)                                  |                |              |                      |                       | 1979-09-30         | 2017-10-16              | 14% missing              |      |   |
|                | 375.00                                                       | G22: Tot riv rel (Ml)                                |                |              |                      |                       | 1979-09-30         | 2017-10-16              | 13% missing              |      |   |
|                | 377.00                                                       | G24: Cont spill (Ml)                                 |                |              |                      |                       | 1979-09-30         | 2017-07-31              | 13% missing              |      |   |
|                | 379.00                                                       | G26: Irrigation (Ml)                                 |                |              |                      |                       | 1979-09-30         | 2017-10-16              | 13% missing              |      |   |
| Components     |                                                              |                                                      |                |              |                      |                       | Component Period   |                         |                          |      |   |
|                | A2R001                                                       | Krokodil River @ Hartbeesfontein - Hartbeespoort Dam |                |              |                      |                       | 1922-10-02         |                         |                          |      |   |
|                | 0512463                                                      | Bokfontein                                           |                |              |                      |                       | 1924-12-01         | 1929-09-01              |                          |      |   |
|                | A2H120                                                       | Diversion from Right Canal Into River @ Hartbeesfont |                |              |                      |                       | 1924-12-01         | 1976-10-01              |                          |      |   |
|                | A2E001                                                       | De Rust @ Hartbeespoort Dam                          |                |              |                      |                       | 1926-03-01         |                         |                          |      |   |
|                | A2H081                                                       | Left Canal from Hartbeespoort Dam @ Hartbeesfontein  |                |              |                      |                       | 1956-03-31         |                         |                          |      |   |
|                | A2H082                                                       | Right Canal from Dam @ Hartbeesfontein               |                |              |                      |                       | 1971-08-01         | 2008-06-17              |                          |      |   |
|                | A2H083                                                       | Krokodil River @ Hartbeesfontein                     |                |              |                      |                       | 1980-02-05         |                         |                          |      |   |
|                | A2H117                                                       | Canal from Dam D/S of Return Flow Pt. @ Hartbeesfont |                |              |                      |                       | 1989-06-12         |                         |                          |      |   |



| Station        |                                                     |                                                   |              |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description     | Page | 2 |
|----------------|-----------------------------------------------------|---------------------------------------------------|--------------|--------------|----------------------|-----------------------|--------------------|-------------------------|-----------------|------|---|
| A2R002         | Apies River @ Onderstepoort - Bon Accord Dam        |                                                   |              |              | 25:37:21             | 28:11:29              | A23E               | 335                     | Bon Accord Dam  |      |   |
| FSL Parameters | Gauge Plate                                         | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                 |      |   |
|                | (m)                                                 | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                 |      |   |
|                | 0.00                                                | 1195.18                                           | 0.00         | 0.00         | 0.00                 |                       | 1923-10-01         | Original                |                 |      |   |
|                | 7.01                                                | 1202.19                                           | 0.00         | 0.00         | 0.00                 |                       | 1937-03-01         | Basin survey            |                 |      |   |
|                | 7.01                                                | 1202.19                                           | 135.04       | 4.75         | 4.81                 |                       | 1956-10-01         | Basin survey            |                 |      |   |
|                | 7.33                                                | 1202.51                                           | 149.94       | 5.65         | 5.71                 |                       | 1976-10-01         | Adjusted                |                 |      |   |
|                | 7.28                                                | 1202.46                                           | 144.00       | 4.38         | 4.38                 |                       | 1980-10-01         | Basin survey            |                 |      |   |
| Data           |                                                     |                                                   |              |              |                      |                       | Data Period        |                         |                 |      |   |
|                | 100.00                                              | Level                                             | (Metres)     |              |                      |                       | 1926-09-01         | 1992-11-24              | 2% missing      |      |   |
| Components     |                                                     |                                                   |              |              |                      |                       | Component Period   |                         |                 |      |   |
|                | A2H084                                              | Right Canal from Bon Accord Dam @ Onderstepoort   |              |              |                      |                       | 1926-04-02         | 1993-03-31              |                 |      |   |
|                | A2H085                                              | Right Canal from Bon Accord Dam @ Onderstepoort   |              |              |                      |                       | 1926-04-02         | 1992-05-19              |                 |      |   |
|                | A2R002                                              | Apies River @ Onderstepoort - Bon Accord Dam      |              |              |                      |                       | 1926-09-01         |                         |                 |      |   |
|                | A2H086                                              | Carlisle Canal @ Onderstepoort                    |              |              |                      |                       | 1927-09-01         | 1992-05-19              |                 |      |   |
|                | A2H087                                              | Cleveland Pump @ Onderstepoort                    |              |              |                      |                       | 1961-08-01         | 1980-08-01              |                 |      |   |
| A2R003         | Hex River @ Commissiesdrift - Olifantsnek Dam       |                                                   |              |              | 25:47:08             | 27:15:33              | A22G               | 493                     | Olifantsnek Dam |      |   |
| FSL Parameters | Gauge Plate                                         | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                 |      |   |
|                | (m)                                                 | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                 |      |   |
|                | 13.99                                               | 1200.44                                           | 250.90       | 15.61        | 15.65                |                       | 1929-01-01         | Original                |                 |      |   |
|                | 13.99                                               | 1200.44                                           | 256.19       | 14.34        | 14.35                |                       | 1952-10-01         | Basin survey            |                 |      |   |
|                | 13.99                                               | 1200.44                                           | 256.19       | 14.27        | 14.28                |                       | 1962-10-01         | Basin survey            |                 |      |   |
|                | 13.99                                               | 1200.44                                           | 254.80       | 13.97        | 13.97                |                       | 1970-10-01         | Basin survey            |                 |      |   |
|                | 14.03                                               | 1200.44                                           | 254.80       | 13.63        | 13.63                |                       | 1982-02-02         | A01 - Basin survey      |                 |      |   |
|                | 14.03                                               | 1200.44                                           | 257.15       | 13.68        | 13.68                |                       | 2007-09-01         | Basin survey            |                 |      |   |
| Data           |                                                     |                                                   |              |              |                      |                       | Data Period        |                         |                 |      |   |
|                | 100.00                                              | Level                                             | (Metres)     |              |                      |                       | 1929-01-01         | 2025-01-06              | 2% missing      |      |   |
| Components     |                                                     |                                                   |              |              |                      |                       | Component Period   |                         |                 |      |   |
|                | 0511467                                             | Hexkrantz                                         |              |              |                      |                       | 1929-01-01         | 1942-02-01              |                 |      |   |
|                | A2H088                                              | Left Canal from Dam @ Commissiesdrift             |              |              |                      |                       | 1929-01-01         |                         |                 |      |   |
|                | A2H089                                              | Divert to River from Left Canal @ Commissiesdrift |              |              |                      |                       | 1929-01-01         |                         |                 |      |   |
|                | A2R003                                              | Hex River @ Commissiesdrift - Olifantsnek Dam     |              |              |                      |                       | 1929-01-01         |                         |                 |      |   |
|                | A2E005                                              | Buffelspoort @ Buffelspoort Dam                   |              |              |                      |                       | 1929-01-02         |                         |                 |      |   |
| A2R004         | Hennops River @ Van Riebeeck Nat.Res - Rietvlei Dam |                                                   |              |              | 25:52:35             | 28:15:55              | A21A               | 491                     | Rietvlei Dam    |      |   |
| FSL Parameters | Gauge Plate                                         | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                 |      |   |
|                | (m)                                                 | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                 |      |   |
|                | 14.94                                               | 1475.17                                           | 189.00       | 12.75        | 12.97                |                       | 1933-11-23         | Original                |                 |      |   |
|                | 14.94                                               | 1475.17                                           | 189.00       | 12.25        | 12.38                |                       | 1978-09-18         | Original                |                 |      |   |
| Data           |                                                     |                                                   |              |              |                      |                       | Data Period        |                         |                 |      |   |
|                | 100.00                                              | Level                                             | (Metres)     |              |                      |                       | 1933-11-24         | 1991-09-16              | 5% missing      |      |   |



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| Station        |                                                     |                                                     |                |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2    | Description      | Page | 3 |
|----------------|-----------------------------------------------------|-----------------------------------------------------|----------------|--------------|----------------------|-----------------------|--------------------|----------------------------|------------------|------|---|
| A2R004         | (continued)                                         |                                                     |                |              |                      |                       |                    |                            |                  |      |   |
| Components     |                                                     |                                                     |                |              |                      |                       | Component          | Period                     |                  |      |   |
|                | 0513413                                             | Doornkloof                                          |                |              |                      |                       | 1933-11-23         | 1959-06-01                 |                  |      |   |
|                | A2E001                                              | De Rust @ Hartbeespoort Dam                         |                |              |                      |                       | 1933-11-23         | 1935-03-31                 |                  |      |   |
|                | A2H009                                              | Hennops River @ Rietvlei                            |                |              |                      |                       | 1933-11-24         | 1989-06-12                 |                  |      |   |
|                | A2R004                                              | Hennops River @ Van Riebeeck Nat.Res - Rietvlei Dam |                |              |                      |                       | 1933-11-24         |                            |                  |      |   |
|                | A2H091                                              | Pipeline from Rietvlei Dam @ Van Riebeeck Nat Res   |                |              |                      |                       | 1934-08-01         | 1991-03-31                 |                  |      |   |
|                | A2E002                                              | Rietvlei @ Rietvlei Dam                             |                |              |                      |                       | 1935-04-01         |                            |                  |      |   |
| A2R005         | Sterkstroom River @ Buffelspoort - Buffelspoort Dam |                                                     |                |              | 25:46:49             | 27:29:14              | A21K               | 119                        | Buffelspoort Dam |      |   |
| FSL Parameters | Gauge Plate                                         | Reduced Level                                       | Surface area   | Net capacity | Gross capacity       |                       |                    |                            |                  |      |   |
|                | (m)                                                 | (m)                                                 | (ha)           | (mill m**3)  | (mill m**3)          |                       |                    |                            |                  |      |   |
|                | 17.68                                               | 1263.90                                             | 80.88          | 4.94         | 4.94                 |                       | 1935-02-01         | Original                   |                  |      |   |
|                | 20.12                                               | 1266.34                                             | 103.31         | 7.17         | 7.17                 |                       | 1954-04-01         | Raised                     |                  |      |   |
|                | 22.55                                               | 1268.77                                             | 130.43         | 10.02        | 10.02                |                       | 1967-02-01         | Temporary fsl              |                  |      |   |
|                | 23.15                                               | 1269.37                                             | 136.67         | 10.82        | 10.82                |                       | 1967-03-13         | Raised                     |                  |      |   |
|                | 23.14                                               | 1269.37                                             | 136.67         | 10.82        | 10.82                |                       | 1972-10-01         | A01 - New plates installed |                  |      |   |
|                | 23.14                                               | 1269.37                                             | 135.68         | 10.29        | 10.29                |                       | 1980-02-01         | Basin survey               |                  |      |   |
|                | 23.14                                               | 1269.37                                             | 135.68         | 10.25        | 10.25                |                       | 1996-02-01         | Basin survey               |                  |      |   |
|                | 23.14                                               | 1269.37                                             | 135.22         | 10.18        | 10.18                |                       | 2012-03-01         | Basin survey               |                  |      |   |
| Data           |                                                     |                                                     |                |              |                      |                       | Data Period        |                            |                  |      |   |
|                | 100.00                                              | Level                                               | (Metres)       |              |                      |                       | 1935-02-01         | 2025-01-31                 |                  |      |   |
| Components     |                                                     |                                                     |                |              |                      |                       | Component          | Period                     |                  |      |   |
|                | 0511855                                             | Buffelspoort - 1                                    |                |              |                      |                       | 1935-02-01         | 1962-02-16                 |                  |      |   |
|                | A2H092                                              | Left Canal from Dam @ Buffelspoort                  |                |              |                      |                       | 1935-02-01         |                            |                  |      |   |
|                | A2R005                                              | Sterkstroom River @ Buffelspoort - Buffelspoort Dam |                |              |                      |                       | 1935-02-01         |                            |                  |      |   |
|                | A2E001                                              | De Rust @ Hartbeespoort Dam                         |                |              |                      |                       | 1937-05-01         | 1942-01-31                 |                  |      |   |
|                | A2E005                                              | Buffelspoort @ Buffelspoort Dam                     |                |              |                      |                       | 1942-02-01         |                            |                  |      |   |
| A2R006         | Hex River @ Bospoort - Bospoort Dam                 |                                                     |                |              | 25:33:49             | 27:20:60              | A22H               | 1068                       | Bospoort Dam     |      |   |
| FSL Parameters | Gauge Plate                                         | Reduced Level                                       | Surface area   | Net capacity | Gross capacity       |                       |                    |                            |                  |      |   |
|                | (m)                                                 | (m)                                                 | (ha)           | (mill m**3)  | (mill m**3)          |                       |                    |                            |                  |      |   |
|                | 8.23                                                | 1068.74                                             | 99.48          | 3.56         | 3.80                 |                       | 1936-10-01         | Original                   |                  |      |   |
|                | 8.23                                                | 1068.74                                             | 96.45          | 2.58         | 2.58                 |                       | 1952-10-01         | Basin survey               |                  |      |   |
|                | 6.71                                                | 1068.74                                             | 96.45          | 2.58         | 2.58                 |                       | 1952-12-01         | Adjusted                   |                  |      |   |
|                | 11.28                                               | 1073.31                                             | 234.17         | 9.91         | 9.91                 |                       | 1955-01-01         | Raised                     |                  |      |   |
|                | 14.35                                               | 1076.38                                             | 378.90         | 19.16        | 19.16                |                       | 1971-12-01         | Raised                     |                  |      |   |
|                | 14.35                                               | 1076.38                                             | 374.80         | 18.91        | 18.91                |                       | 1973-10-01         | Basin survey               |                  |      |   |
|                | 14.35                                               | 1076.38                                             | 378.80         | 18.21        | 18.21                |                       | 1988-10-01         | Basin survey               |                  |      |   |
|                | 14.35                                               | 1076.38                                             | 373.40         | 15.80        | 15.80                |                       | 2004-10-01         | Basin survey               |                  |      |   |
| Data           |                                                     |                                                     |                |              |                      |                       | Data Period        |                            |                  |      |   |
|                | 100.00                                              | Level                                               | (Metres)       |              |                      |                       | 1936-10-01         | 2025-01-06                 | 4% missing       |      |   |
|                | 215.00                                              | Tot Gates' Vol(Ml)                                  | Gate Discharge | Volume       |                      |                       | 1971-11-30         | 2007-09-30                 | 1% missing       |      |   |



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| Station        |                                                  |                                                  |              |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page | 4 |
|----------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|------|---|
| A2R006         | (continued)                                      |                                                  |              |              |                      |                       |                    |                         |                   |      |   |
| Components     |                                                  |                                                  |              |              |                      |                       | Component          | Period                  |                   |      |   |
|                | 0548747                                          | SAWS                                             |              |              |                      |                       | 1936-10-01         | 1982-09-01              |                   |      |   |
|                | A2H118                                           | Hex River @ Boschoport                           |              |              |                      |                       | 1936-10-01         | 1952-08-01              |                   |      |   |
|                | A2R006                                           | Hex River @ Boschoport - Boschoport Dam          |              |              |                      |                       | 1936-10-01         |                         |                   |      |   |
|                | A2E001                                           | De Rust @ Hartbeespoort Dam                      |              |              |                      |                       | 1937-08-01         | 1950-04-30              |                   |      |   |
|                | 0511573                                          | Boschoportdam                                    |              |              |                      |                       | 1950-02-01         | 1987-01-01              |                   |      |   |
|                | A2E005                                           | Buffelspoort @ Buffelspoort Dam                  |              |              |                      |                       | 1950-05-01         | 1978-07-31              |                   |      |   |
|                | A2H093                                           | Left Canal from Boschoport Dam @ Boschoport      |              |              |                      |                       | 1951-08-20         | 1987-04-15              |                   |      |   |
|                | A2H095                                           | Pipeline to Treatment Works @ Boschoport         |              |              |                      |                       | 1957-12-01         | 2005-06-01              |                   |      |   |
|                | A2E024                                           | Boschoport @ Boschoport Dam                      |              |              |                      |                       | 1978-08-01         |                         |                   |      |   |
|                | A2H094                                           | Hex River @ Boschoport                           |              |              |                      |                       | 1978-11-22         |                         |                   |      |   |
|                | A2H130                                           | Pipeline to Purification Works @ Boschoport Dam  |              |              |                      |                       | 2006-08-02         |                         |                   |      |   |
| A2R007         | Elands River @ Lindleyspoort - Lindleyspoort Dam |                                                  |              |              | 25:29:52             | 26:41:24              | A22A               | 719                     | Lindleyspoort Dam |      |   |
| FSL Parameters | Gauge Plate                                      | Reduced Level                                    | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                   |      |   |
|                | (m)                                              | (m)                                              | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                   |      |   |
|                | 19.81                                            | 1174.96                                          | 144.84       | 12.00        | 12.34                |                       | 1938-10-01         | Original                |                   |      |   |
|                | 21.21                                            | 1176.36                                          | 163.12       | 14.15        | 14.49                |                       | 1967-10-01         | Raised                  |                   |      |   |
|                | 22.25                                            | 1174.40                                          | 138.54       | 11.20        | 11.54                |                       | 1970-02-01         | Raised                  |                   |      |   |
|                | 22.25                                            | 1177.40                                          | 180.20       | 15.93        | 16.27                |                       | 1976-10-01         | Basin survey            |                   |      |   |
|                | 22.25                                            | 1177.40                                          | 180.02       | 14.37        | 14.37                |                       | 1979-10-01         | Basin survey            |                   |      |   |
|                | 22.25                                            | 1177.40                                          | 179.97       | 14.33        | 14.33                |                       | 1995-10-01         | Basin survey            |                   |      |   |
|                | 22.25                                            | 1177.40                                          | 178.66       | 14.21        | 14.21                |                       | 2015-09-01         | Basin survey            |                   |      |   |
| Data           |                                                  |                                                  |              |              |                      |                       | Data Period        |                         |                   |      |   |
|                | 100.00                                           | Level                                            | (Metres)     |              |                      |                       | 1940-02-01         | 2025-01-30              |                   |      |   |
| Components     |                                                  |                                                  |              |              |                      |                       | Component          | Period                  |                   |      |   |
|                | A2H096                                           | Right Canal from Dam @ Lindleyspoort             |              |              |                      |                       | 1940-02-01         |                         |                   |      |   |
|                | A2R007                                           | Elands River @ Lindleyspoort - Lindleyspoort Dam |              |              |                      |                       | 1940-02-01         |                         |                   |      |   |
|                | 0510306                                          | Winkelhaak                                       |              |              |                      |                       | 1940-02-02         | 1946-10-01              |                   |      |   |
|                | A2E004                                           | Lindleyspoort @ Lindleyspoort Dam                |              |              |                      |                       | 1946-10-01         |                         |                   |      |   |
| A2R008         | Buffelspruit River @ Roodepoort - Warmbad Dam    |                                                  |              |              | 24:52:04             | 28:15:34              | A23G               | 132                     | Warmbad Dam       |      |   |
| FSL Parameters | Gauge Plate                                      | Reduced Level                                    | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                   |      |   |
|                | (m)                                              | (m)                                              | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                   |      |   |
|                | 6.10                                             | 1162.28                                          | 11.23        | 0.33         | 0.33                 |                       | 1946-07-20         | Original                |                   |      |   |
|                | 9.15                                             | 1165.33                                          | 9.50         | 0.23         | 0.23                 |                       | 1959-10-01         | Raised                  |                   |      |   |
|                | 9.15                                             | 1165.33                                          | 17.20        | 0.55         | 0.55                 |                       | 1979-10-01         | Basin survey            |                   |      |   |
| Data           |                                                  |                                                  |              |              |                      |                       | Data Period        |                         |                   |      |   |
|                | 100.00                                           | Level                                            | (Metres)     |              |                      |                       | 1946-07-20         | 2011-07-21              |                   |      |   |
| Components     |                                                  |                                                  |              |              |                      |                       | Component          | Period                  |                   |      |   |
|                | A2H097                                           | Left Canal from Warmbad Dam @ Roodepoort         |              |              |                      |                       | 1946-07-09         |                         |                   |      |   |
|                | A2H098                                           | Pipeline from Warmbad Dam (Left) @ Roodepoort    |              |              |                      |                       | 1946-07-20         |                         |                   |      |   |
|                | A2R008                                           | Buffelspruit River @ Roodepoort - Warmbad Dam    |              |              |                      |                       | 1946-07-20         |                         |                   |      |   |
|                | A2E006                                           | Roodepoort @ Warmbad Dam                         |              |              |                      |                       | 1946-10-01         |                         |                   |      |   |



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|----------------|--------------------------------------------------|--------------------------------------------------|------------------|--------------|----------------------|-----------------------|--------------------|-------------------------|------------------|------|---|
| A2R009         | Pienaars River @ Roodeplaat - Roodeplaat Dam     |                                                  |                  |              | 25:37:16             | 28:22:20              | A23A               | 683                     | Roodeplaat Dam   |      |   |
| FSL Parameters | Gauge Plate                                      | Reduced Level                                    | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |      |   |
|                | (m)                                              | (m)                                              | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |      |   |
|                | 28.29                                            | 1214.02                                          | 395.30           | 42.50        | 45.47                |                       | 1958-10-22         |                         | Original         |      |   |
|                | 28.32                                            | 1214.02                                          | 395.24           | 41.98        | 44.67                |                       | 1972-05-18         |                         | A01 - Adjusted   |      |   |
|                | 28.32                                            | 1214.02                                          | 395.20           | 41.66        | 44.17                |                       | 1980-10-01         |                         | Basin survey     |      |   |
|                | 28.32                                            | 1214.02                                          | 395.10           | 41.16        | 43.47                |                       | 1990-10-01         |                         | Basin survey     |      |   |
| Data           |                                                  |                                                  |                  |              |                      |                       | Data Period        |                         |                  |      |   |
|                | 100.00                                           | Level                                            | (Metres)         |              |                      |                       | 1958-10-22         | 2025-01-23              |                  |      |   |
| Components     |                                                  |                                                  |                  |              |                      |                       | Component Period   |                         |                  |      |   |
|                | A2R009                                           | Pienaars River @ Roodeplaat                      | - Roodeplaat Dam |              |                      |                       | 1958-10-22         |                         |                  |      |   |
|                | A2E007                                           | Roodeplaat @ Agric.Research St.                  |                  |              |                      |                       | 1958-12-11         | 1962-08-31              |                  |      |   |
|                | A2H046                                           | Pipeline from Dam Basin @ Roodeplaat             |                  |              |                      |                       | 1958-12-12         |                         |                  |      |   |
|                | A2H100                                           | Left Canal from Roodeplaat Dam @ Roodeplaat      |                  |              |                      |                       | 1959-04-03         |                         |                  |      |   |
|                | A2H101                                           | Left Canal from Roodeplaat Dam @ Roodeplaat      |                  |              |                      |                       | 1961-07-01         |                         |                  |      |   |
|                | A2E013                                           | Roodeplaat @ Roodeplaat Dam/Hni                  |                  |              |                      |                       | 1962-09-01         |                         |                  |      |   |
|                | A2H112                                           | Pipeline from Roodeplaat Dam @ Roodeplaat        |                  |              |                      |                       | 1964-06-01         | 1992-03-31              |                  |      |   |
|                | A2H102                                           | Pienaars River @ Roodeplaat                      |                  |              |                      |                       | 1979-06-12         |                         |                  |      |   |
|                | A2H131                                           | Pipeline to Purification Works @ Roodeplaat Dam  |                  |              |                      |                       | 2006-01-24         |                         |                  |      |   |
| A2R010         | Bierspruit River @ Nooitgedacht - Bierspruit Dam |                                                  |                  |              | 24:54:41             | 27:08:25              | A24D               | 1312                    | Bierspruit Dam   |      |   |
| FSL Parameters | Gauge Plate                                      | Reduced Level                                    | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |      |   |
|                | (m)                                              | (m)                                              | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |      |   |
|                | 7.05                                             | 987.19                                           | 210.20           | 3.51         | 3.51                 |                       | 1961-01-02         |                         | Original         |      |   |
|                | 7.05                                             | 987.19                                           | 206.40           | 3.50         | 3.50                 |                       | 1980-10-01         |                         | Basin survey     |      |   |
| Data           |                                                  |                                                  |                  |              |                      |                       | Data Period        |                         |                  |      |   |
|                | 100.00                                           | Level                                            | (Metres)         |              |                      |                       | 1961-01-02         | 1982-12-01              | 16% missing      |      |   |
|                | 360.00                                           | E01: Res inflow (Ml)                             |                  |              |                      |                       | 1961-01-04         | 1973-10-01              | 100% missing     |      |   |
| Components     |                                                  |                                                  |                  |              |                      |                       | Component Period   |                         |                  |      |   |
|                | A2H103                                           | Pipeline from Bierspruit Dam @ Nooitgedacht      |                  |              |                      |                       | 1961-01-02         | 1973-10-01              |                  |      |   |
|                | A2R010                                           | Bierspruit River @ Nooitgedacht - Bierspruit Dam |                  |              |                      |                       | 1961-01-02         |                         |                  |      |   |
|                | A2E012                                           | Nooitgedacht @ Bierspruit Dam                    |                  |              |                      |                       | 1961-03-01         | 1970-11-01              |                  |      |   |
|                | A2E021                                           | Zwartklip @ Rustenb. Plat.Mine                   |                  |              |                      |                       | 1970-11-01         |                         |                  |      |   |
| A2R011         | Koster River @ Waterkloof - Kosterrivier Dam     |                                                  |                  |              | 25:42:00             | 26:54:14              | A22B               | 286                     | Kosterrivier Dam |      |   |
| FSL Parameters | Gauge Plate                                      | Reduced Level                                    | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |      |   |
|                | (m)                                              | (m)                                              | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |      |   |
|                | 10.02                                            | 1264.21                                          | 169.45           | 6.70         | 6.83                 |                       | 1964-12-25         |                         | Original         |      |   |
|                | 13.01                                            | 1267.20                                          | 262.13           | 13.06        | 13.19                |                       | 1973-04-01         |                         | Raised           |      |   |
|                | 13.01                                            | 1267.20                                          | 261.99           | 12.92        | 13.02                |                       | 1979-10-01         |                         | Basin survey     |      |   |
|                | 13.01                                            | 1267.20                                          | 262.01           | 12.80        | 12.82                |                       | 1996-02-01         |                         | Basin survey     |      |   |
|                | 13.01                                            | 1267.20                                          | 258.97           | 12.42        | 12.43                |                       | 2012-03-01         |                         | Basin survey     |      |   |
| Data           |                                                  |                                                  |                  |              |                      |                       | Data Period        |                         |                  |      |   |
|                | 100.00                                           | Level                                            | (Metres)         |              |                      |                       | 1964-12-25         | 2025-01-07              |                  |      |   |



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|----------------|-----------------------------------------------|-----------------------------------------------|--------------|--------------|----------------------|-----------------------|--------------------|-------------------------|------------------|--------------|---|
| A2R011         | (continued)                                   |                                               |              |              |                      |                       |                    |                         |                  |              |   |
| Components     |                                               |                                               |              |              |                      |                       |                    |                         | Component Period |              |   |
|                | A2H104                                        | Koster River @ Waterkloof                     |              |              |                      |                       |                    |                         | 1962-01-08       |              |   |
|                | A2R011                                        | Koster River @ Waterkloof - Kosterrivier Dam  |              |              |                      |                       |                    |                         | 1964-12-25       |              |   |
|                | A2E015                                        | Waterval @ Koster River Dam                   |              |              |                      |                       |                    |                         | 1965-10-04       |              |   |
|                | A2H105                                        | Pipeline from Koster River Dam @ Waterkloof   |              |              |                      |                       |                    |                         | 1972-05-01       |              |   |
| A2R012         | Pienaars River @ Klipvoor - Klipvoor Dam      |                                               |              |              | 25:07:53             | 27:48:33              | A23J               | 6160                    | Klipvoor Dam     |              |   |
| FSL Parameters | Gauge Plate                                   | Reduced Level                                 | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                  |              |   |
|                | (m)                                           | (m)                                           | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |              |   |
|                | 16.16                                         | 989.07                                        | 753.46       | 43.37        | 44.00                |                       |                    |                         | 1970-03-24       | Original     |   |
|                | 16.16                                         | 989.07                                        | 753.24       | 42.25        | 42.60                |                       |                    |                         | 1987-03-01       | Basin survey |   |
|                | 16.16                                         | 989.07                                        | 753.88       | 40.73        | 40.85                |                       |                    |                         | 2008-04-01       | Basin survey |   |
| Data           |                                               |                                               |              |              |                      |                       |                    |                         | Data Period      |              |   |
|                | 100.00                                        | Level                                         | (Metres)     |              |                      |                       |                    |                         | 1970-03-24       | 2025-01-15   |   |
| Components     |                                               |                                               |              |              |                      |                       |                    |                         | Component Period |              |   |
|                | 0549220                                       | Assen - Pol                                   |              |              |                      |                       |                    |                         | 1970-03-24       | 2007-12-17   |   |
|                | A2E020                                        | Vaalkop @ Vaalkop Dam                         |              |              |                      |                       |                    |                         | 1970-03-24       | 1970-04-30   |   |
|                | A2H106                                        | Pienaars River @ Klipvoor                     |              |              |                      |                       |                    |                         | 1970-03-24       |              |   |
|                | A2R012                                        | Pienaars River @ Klipvoor - Klipvoor Dam      |              |              |                      |                       |                    |                         | 1970-03-24       |              |   |
|                | A2E019                                        | Klipvoor @ Klipvoor Dam                       |              |              |                      |                       |                    |                         | 1970-05-01       |              |   |
| A2R013         | Elands River @ Brakfontein - Swartruggens Dam |                                               |              |              | 25:39:42             | 26:41:39              | A22A               | 497                     | Swartruggens Dam |              |   |
| FSL Parameters | Gauge Plate                                   | Reduced Level                                 | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                  |              |   |
|                | (m)                                           | (m)                                           | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |              |   |
|                | 3.04                                          | 1254.16                                       | 17.10        | 0.33         | 0.47                 |                       |                    |                         | 1964-07-30       | Original     |   |
|                | 3.04                                          | 1254.16                                       | 17.10        | 0.33         | 0.47                 |                       |                    |                         | 1974-04-05       | A02 - Raised |   |
|                | 3.04                                          | 1254.16                                       | 11.60        | 0.25         | 0.28                 |                       |                    |                         | 1990-10-01       | Basin survey |   |
|                | 4.58                                          | 1255.70                                       | 18.49        | 0.49         | 0.52                 |                       |                    |                         | 1993-09-01       | Raised       |   |
|                | 4.58                                          | 1255.70                                       | 18.60        | 0.48         | 0.49                 |                       |                    |                         | 2007-09-01       | Basin survey |   |
|                | 4.57                                          | 1255.69                                       | 18.56        | 0.47         | 0.49                 |                       |                    |                         | 2007-10-01       |              |   |
| Data           |                                               |                                               |              |              |                      |                       |                    |                         | Data Period      |              |   |
|                | 100.00                                        | Level                                         | (Metres)     |              |                      |                       |                    |                         | 1964-07-30       | 2025-01-09   |   |
|                | 230.70                                        | Level (m)                                     |              |              |                      |                       |                    |                         | 2014-04-08       | 2015-03-10   |   |
| Components     |                                               |                                               |              |              |                      |                       |                    |                         | Component Period |              |   |
|                | A2R013                                        | Elands River @ Brakfontein - Swartruggens Dam |              |              |                      |                       |                    |                         | 1964-07-30       |              |   |
|                | A2H108                                        | Pipeline to Municipality @ Brakfontein        |              |              |                      |                       |                    |                         | 1965-11-10       |              |   |
|                | A2H107                                        | Elands River @ Brakfontein                    |              |              |                      |                       |                    |                         | 1981-09-22       |              |   |
| A2R014         | Elands River @ Bulhoek - Vaalkop Dam          |                                               |              |              | 25:18:31             | 27:28:28              | A22J               | 6098                    | Vaalkop Dam      |              |   |
| FSL Parameters | Gauge Plate                                   | Reduced Level                                 | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                  |              |   |
|                | (m)                                           | (m)                                           | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |              |   |
|                | 11.41                                         | 980.71                                        | 1051.00      | 56.46        | 57.88                |                       |                    |                         | 1971-05-01       | Original     |   |
|                | 11.41                                         | 980.71                                        | 1051.48      | 55.56        | 55.96                |                       |                    |                         | 1979-10-01       | Basin survey |   |



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|----------------|------------------------------------------------|---------------|--------------------------------------------------|-----------------------|----------------------|-----------------------|--------------------|-------------------------|-----------------|------|---|
| A2R014         | (continued)                                    |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | 11.41         | 980.71                                           | 1050.99               | 53.62                | 53.71                 | 1996-02-01         | Basin survey            |                 |      |   |
|                |                                                | 11.41         | 980.71                                           | 1045.67               | 51.32                | 51.34                 | 2012-03-01         | Basin survey            |                 |      |   |
| Data           |                                                |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | 100.00        | Level (Metres)                                   |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | 230.09        | Level (m)                                        | Cello primary hg      |                      |                       |                    |                         |                 |      |   |
| Components     |                                                |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2E020        | Vaalkop @ Vaalkop Dam                            |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H121        | Pipeline from Vaalkop Dam @ Bulhoek              |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2R014        | Elands River @ Bulhoek - Vaalkop Dam             |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H109        | Pipeline to Treatment Works @ Bulhoek            |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H111        | Elands River @ Bulhoek                           |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H121        | Pipeline from Vaalkop Dam @ Bulhoek              |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H110        | Canal from Roodekopjes Dam @ Bulhoek             |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2E026        | Roodekopjes @ Roodekopjes Dam                    |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H129        | Pipeline to Treatment Works @ Bulhoek            |                       |                      |                       |                    |                         |                 |      |   |
| A2R015         | Krokodil River @ Roodekopjes - Roodekopjes Dam |               |                                                  |                       | 25:24:25             | 27:34:39              | A21K               | 6027                    | Roodekopjes Dam |      |   |
| FSL Parameters | Gauge Plate                                    | Reduced Level | Surface area                                     | Net capacity          | Gross capacity       |                       |                    |                         |                 |      |   |
|                | (m)                                            | (m)           | (ha)                                             | (mill m**3)           | (mill m**3)          |                       |                    |                         |                 |      |   |
|                | 21.50                                          | 1006.50       | 1559.23                                          | 102.33                | 102.46               |                       | 1984-06-01         | Original                |                 |      |   |
|                | 21.57                                          | 1006.57       | 1487.71                                          | 96.35                 | 96.35                |                       | 2016-06-01         | Basin survey            |                 |      |   |
| Data           |                                                |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | 100.00        | Level (Metres)                                   |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | 215.00        | Tot Gates' Vol(Ml)                               | Gate Discharge Volume |                      |                       |                    |                         |                 |      |   |
|                |                                                | 230.09        | Level (m)                                        | Cello primary hg      |                      |                       |                    |                         |                 |      |   |
| Components     |                                                |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2E001        | De Rust @ Hartbeespoort Dam                      |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H019        | Krokodil River @ Beestkraal                      |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2R015        | Krokodil River @ Roodekopjes - Roodekopjes Dam   |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H113        | Left Canal from Roodekopjes Dam @ Roodekopjes    |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H114        | Right Canal from Roodekopjes Dam @ Roodekopjes   |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2E026        | Roodekopjes @ Roodekopjes Dam                    |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2H115        | Left Pipeline from Crocodile River @ Roodekopjes |                       |                      |                       |                    |                         |                 |      |   |
| A2R016         | Apies River @ Leeuwkraal - Leeukraal Dam       |               |                                                  |                       | 25:23:22             | 28:16:37              | A23F               | 141                     | Leeukraal Dam   |      |   |
| FSL Parameters | Gauge Plate                                    | Reduced Level | Surface area                                     | Net capacity          | Gross capacity       |                       |                    |                         |                 |      |   |
|                | (m)                                            | (m)           | (ha)                                             | (mill m**3)           | (mill m**3)          |                       |                    |                         |                 |      |   |
|                | 1071.10                                        | 1071.10       | 37.60                                            | 0.60                  | 0.60                 |                       | 1985-05-01         | Basin survey            |                 |      |   |
|                | 1071.10                                        | 1071.10       | 37.60                                            | 0.54                  | 0.54                 |                       | 1993-10-01         | Basin survey            |                 |      |   |
| Components     |                                                |               |                                                  |                       |                      |                       |                    |                         |                 |      |   |
|                |                                                | A2R016        | Apies River @ Leeuwkraal - Leeukraal Dam         |                       |                      |                       |                    |                         |                 |      |   |



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|----------------|-------------------------------------------------------|-------------------------------------------------------|--------------|--------------|----------------------|-----------------------|--------------------|-------------------------|----------------------|------|---|
| A2R017         | Krokodil River @ Haakdongdrift - Paul Hugo Dam        |                                                       |              |              | 24:41:42             | 27:24:32              | A24C               | 22060                   |                      |      |   |
| Components     |                                                       |                                                       |              |              |                      |                       | Component          | Period                  |                      |      |   |
|                | A2H116                                                | Krokodil River @ Haakdongdrift                        |              |              |                      |                       | 1987-10-14         | 1995-12-20              |                      |      |   |
|                | A2R017                                                | Krokodil River @ Haakdongdrift - Paul Hugo Dam        |              |              |                      |                       | 1987-10-14         |                         |                      |      |   |
| A2R018         | Maretlwane River @ Maretlwane                         |                                                       |              |              | 25:41:30             | 27:32:31              | A21K               | 145                     | Middelkraal Dam      |      |   |
| FSL Parameters | Gauge Plate                                           | Reduced Level                                         | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                      |      |   |
|                | (m)                                                   | (m)                                                   | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                      |      |   |
|                | 5.10                                                  | 1122.71                                               | 0.11         | 0.74         | 0.74                 |                       | 2003-01-01         | Basin survey            |                      |      |   |
| A3R001         | Groot-Marico River @ Riekers Dam - Marico-Bosveld Dam |                                                       |              |              | 25:28:11             | 26:23:37              | A31B               | 1160                    | Marico-Bosveld Dam   |      |   |
| FSL Parameters | Gauge Plate                                           | Reduced Level                                         | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                      |      |   |
|                | (m)                                                   | (m)                                                   | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                      |      |   |
|                | 17.52                                                 | 1062.79                                               | 449.60       | 30.16        | 30.18                |                       | 1934-10-31         | Original                |                      |      |   |
|                | 17.53                                                 | 1062.80                                               | 450.32       | 30.22        | 30.24                |                       | 1936-12-26         | Temporary fsl           |                      |      |   |
|                | 17.52                                                 | 1062.79                                               | 449.60       | 30.16        | 30.18                |                       | 1951-02-01         | Basin survey            |                      |      |   |
|                | 17.52                                                 | 1062.79                                               | 442.00       | 27.79        | 27.79                |                       | 1976-12-12         | Basin survey            |                      |      |   |
|                | 17.52                                                 | 1062.79                                               | 437.60       | 26.96        | 26.96                |                       | 1991-10-01         | Basin survey            |                      |      |   |
|                | 17.52                                                 | 1062.79                                               | 443.65       | 26.93        | 26.93                |                       | 2008-04-01         | Basin survey            |                      |      |   |
| Data           |                                                       |                                                       |              |              |                      |                       | Data Period        |                         |                      |      |   |
|                | 100.00                                                | Level                                                 | (Metres)     |              |                      |                       | 1934-10-31         | 2025-01-07              | 1% missing           |      |   |
| Components     |                                                       |                                                       |              |              |                      |                       | Component          | Period                  |                      |      |   |
|                | 0546687                                               | Riekersdam                                            |              |              |                      |                       | 1934-10-31         | 1946-12-01              |                      |      |   |
|                | A3H028                                                | Left Canal from Dam @ Riekers Dam                     |              |              |                      |                       | 1934-10-31         |                         |                      |      |   |
|                | A3R001                                                | Groot-Marico River @ Riekers Dam - Marico-Bosveld Dam |              |              |                      |                       | 1934-10-31         |                         |                      |      |   |
|                | A3E001                                                | Doornkraal @ Marico-Bosveld Dam                       |              |              |                      |                       | 1936-07-01         |                         |                      |      |   |
|                | A3H029                                                | Groot-Marico River @ Riekers Dam                      |              |              |                      |                       | 1981-08-13         |                         |                      |      |   |
| A3R002         | Klein Marico River @ Kalk Dam                         |                                                       |              |              | 25:31:19             | 26:08:59              | A31D               | 1157                    | Klein-Maricopoort Da |      |   |
| FSL Parameters | Gauge Plate                                           | Reduced Level                                         | Surface area | Net capacity | Gross capacity       |                       |                    |                         |                      |      |   |
|                | (m)                                                   | (m)                                                   | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |                      |      |   |
|                | 9.76                                                  | 1156.61                                               | 80.63        | 3.20         | 3.31                 |                       | 1936-05-18         | Original                |                      |      |   |
|                | 9.89                                                  | 1156.74                                               | 82.27        | 3.31         | 3.41                 |                       | 1966-02-01         | Temporary fsl           |                      |      |   |
|                | 14.01                                                 | 1160.87                                               | 136.80       | 7.88         | 7.98                 |                       | 1966-09-20         | Raised                  |                      |      |   |
|                | 14.01                                                 | 1160.87                                               | 140.35       | 8.07         | 8.07                 |                       | 1976-10-01         | Basin survey            |                      |      |   |
|                | 14.01                                                 | 1160.87                                               | 136.80       | 7.07         | 7.07                 |                       | 1982-10-01         | Basin survey            |                      |      |   |
|                | 14.01                                                 | 1160.87                                               | 134.24       | 7.30         | 7.30                 |                       | 1999-01-01         | Basin survey            |                      |      |   |
|                | 14.01                                                 | 1160.87                                               | 133.97       | 7.23         | 7.23                 |                       | 2008-04-01         | Basin survey            |                      |      |   |
| Data           |                                                       |                                                       |              |              |                      |                       | Data Period        |                         |                      |      |   |
|                | 100.00                                                | Level                                                 | (Metres)     |              |                      |                       | 1936-05-18         | 2025-01-09              |                      |      |   |
| Components     |                                                       |                                                       |              |              |                      |                       | Component          | Period                  |                      |      |   |
|                | 0509122                                               | Zeerust - Hill                                        |              |              |                      |                       | 1936-05-18         | 1936-06-30              |                      |      |   |
|                | A3H031                                                | Left Canal from Dam @ Kalk Dam                        |              |              |                      |                       | 1936-05-18         |                         |                      |      |   |
|                | A3R002                                                | Klein Marico River @ Kalk Dam                         |              |              |                      |                       | 1936-05-18         |                         |                      |      |   |
|                | A3E001                                                | Doornkraal @ Marico-Bosveld Dam                       |              |              |                      |                       | 1936-07-01         | 1967-08-31              |                      |      |   |



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| Station        |                                    |               |              |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss                    | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page 9 |
|----------------|------------------------------------|---------------|--------------|--------------|----------------------|------------------------------------------|--------------------|-------------------------|-------------------|--------|
| A3R002         | (continued)                        |               |              |              |                      |                                          |                    |                         |                   |        |
| A3E003         | Kalk Dam @ Li-Maricopoort          | Dam           |              |              |                      |                                          |                    | 1967-09-01              |                   |        |
| A3H030         | Klein Marico River @ Kalk          | Dam           |              |              |                      |                                          |                    | 1970-06-03              |                   |        |
| A3R003         | Klein Marico River @ Kromellenboog |               |              |              | 25:26:37             | 26:20:48                                 | A31E               | 1762                    | Kromellenboog Dam |        |
| FSL Parameters | Gauge Plate                        | Reduced Level | Surface area | Net capacity | Gross capacity       |                                          |                    |                         |                   |        |
|                | (m)                                | (m)           | (ha)         | (mill m**3)  | (mill m**3)          |                                          |                    |                         |                   |        |
| 7.92           | 1050.02                            | 213.92        | 8.27         | 8.85         | 1955-02-01           | Original                                 |                    |                         |                   |        |
| 9.12           | 1051.22                            | 247.10        | 11.11        | 11.69        | 1955-05-07           | Raised                                   |                    |                         |                   |        |
| 9.12           | 1051.22                            | 237.00        | 9.86         | 9.87         | 1976-10-01           | Basin survey                             |                    |                         |                   |        |
| 9.12           | 1051.22                            | 237.54        | 9.31         | 9.31         | 1982-10-01           | Basin survey                             |                    |                         |                   |        |
| 9.12           | 1051.22                            | 224.45        | 8.96         | 8.96         | 1998-10-01           | Basin survey                             |                    |                         |                   |        |
| 9.12           | 1051.22                            | 224.95        | 8.65         | 8.65         | 2008-04-01           | The new Area and Capacity table received |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | Safd-am-pa         |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | A3R003             |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | Date-              | -                       |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | -                  | -                       |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1955               | 0-2-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1955               | 0-5-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1976               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1982               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1998               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | Safd-am-pa         |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | A3R003             |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          |                    |                         |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | Date-              | -                       |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | -                  | -                       |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1955               | 0-2-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1955               | 0-5-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1976               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1982               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 1998               | 1-0-                    |                   |        |
| 0.00           | 0.00                               | 0.00          | 0.00         | 0.00         |                      |                                          | 2008               | 0-4-                    |                   |        |



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|      |      |      |      |      |
|------|------|------|------|------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Comp-le-te

Data

Data Period

100.00      Level      (Metres)

1955-02-01      2025-01-07      1% missing



| Station            |                                                   |                                                   |              |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description   | Page 10 |
|--------------------|---------------------------------------------------|---------------------------------------------------|--------------|--------------|----------------------|-----------------------|--------------------|-------------------------|---------------|---------|
| A3R003 (continued) |                                                   |                                                   |              |              |                      |                       |                    |                         |               |         |
| Components         |                                                   |                                                   |              |              |                      |                       |                    | Component Period        |               |         |
|                    | A3E001                                            | Doornkraal @ Marico-Bosveld Dam                   |              |              |                      |                       |                    | 1955-02-01              |               |         |
|                    | A3H033                                            | Left Canal from Dam @ Kromellenboog               |              |              |                      |                       |                    | 1955-02-01              |               |         |
|                    | A3R003                                            | Klein Marico River @ Kromellenboog                |              |              |                      |                       |                    | 1955-02-01              |               |         |
|                    | A3H032                                            | Klein Marico River @ Veeplaats                    |              |              |                      |                       |                    | 1979-11-07              |               |         |
| A3R004             | Groot-Marico River @ Lotteringskop - Molatedi Dam |                                                   |              |              | 24:52:12             | 26:27:12              | A32A               | 8619                    | Molatedi Dam  |         |
| FSL Parameters     | Gauge Plate                                       | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |               |         |
|                    | (m)                                               | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |               |         |
|                    | 16.00                                             | 958.00                                            | 3567.00      | 200.78       | 200.95               |                       | 1986-11-25         | Original                |               |         |
| Data               |                                                   |                                                   |              |              |                      |                       |                    | Data Period             |               |         |
|                    | 100.00                                            | Level                                             | (Metres)     |              |                      |                       | 1987-02-13         | 2025-01-08              | 4% missing    |         |
| Components         |                                                   |                                                   |              |              |                      |                       |                    | Component Period        |               |         |
|                    | A3E004                                            | Lotteringskop @ Molatedi Dam                      |              |              |                      |                       |                    | 1987-02-13              |               |         |
|                    | A3H034                                            | Outlet to River from Dam @ Naauwpoort             |              |              |                      |                       |                    | 1987-02-13              | 1994-02-18    |         |
|                    | A3R004                                            | Groot-Marico River @ Lotteringskop - Molatedi Dam |              |              |                      |                       |                    | 1987-02-13              |               |         |
|                    | A3H038                                            | Right Pipeline from Dam @ Naauwpoort              |              |              |                      |                       |                    | 1988-06-17              | 1994-02-18    |         |
|                    | A3H039                                            | Pipeline from Dam @ Naauwpoort                    |              |              |                      |                       |                    | 1994-02-18              |               |         |
| A3R005             | Sehujane River @ Buispoort                        |                                                   |              |              | 25:18:26             | 25:56:49              | A31H               | 198                     | Sehujwane Dam |         |
| FSL Parameters     | Gauge Plate                                       | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |               |         |
|                    | (m)                                               | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |               |         |
|                    | 0.00                                              | 0.00                                              | 0.00         | 0.00         | 0.00                 |                       | 1882-10-01         | Basin survey            |               |         |
|                    | 10.98                                             | 1152.99                                           | 70.30        | 3.64         | 3.77                 |                       | 1996-07-01         | Original                |               |         |
|                    | 10.98                                             | 1152.99                                           | 68.50        | 3.61         | 3.75                 |                       | 2005-07-12         | Basin survey            |               |         |
| Data               |                                                   |                                                   |              |              |                      |                       |                    | Data Period             |               |         |
|                    | 100.00                                            | Level                                             | (Metres)     |              |                      |                       | 1997-01-06         | 2025-01-08              |               |         |
| Components         |                                                   |                                                   |              |              |                      |                       |                    | Component Period        |               |         |
|                    | A3H036                                            | Pipeline from Dam @ Buispoort                     |              |              |                      |                       |                    | 1996-07-01              |               |         |
|                    | A3R005                                            | Sehujane River @ Buispoort                        |              |              |                      |                       |                    | 1997-01-06              |               |         |
|                    | A3E003                                            | Kalk Dam @ Li-Maricopoort Dam                     |              |              |                      |                       |                    | 1997-01-07              |               |         |
|                    | A3H037                                            | Sehujane River @ Buispoort                        |              |              |                      |                       |                    | 1999-04-05              |               |         |
| A3R006             | Tholwane River @ Madikwe Dam                      |                                                   |              |              | 25:23:39             | 26:35:15              | A31G               | 307                     | Madikwe Dam   |         |
| FSL Parameters     | Gauge Plate                                       | Reduced Level                                     | Surface area | Net capacity | Gross capacity       |                       |                    |                         |               |         |
|                    | (m)                                               | (m)                                               | (ha)         | (mill m**3)  | (mill m**3)          |                       |                    |                         |               |         |
|                    | 9.35                                              | 1070.04                                           | 489.40       | 15.94        | 15.94                |                       | 2011-01-04         | Basin survey            |               |         |
| Data               |                                                   |                                                   |              |              |                      |                       |                    | Data Period             |               |         |
|                    | 100.00                                            | Level                                             | (Metres)     |              |                      |                       | 2011-03-09         | 2025-02-17              | 2% missing    |         |



| Station        |                                     |                                           |              |                 | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description  | Page | 11 |
|----------------|-------------------------------------|-------------------------------------------|--------------|-----------------|----------------------|-----------------------|--------------------|-------------------------|--------------|------|----|
| A3R007         | Lethlakane River @ Pella Dam        |                                           |              |                 | 25:27:59             | 26:26:53              | A31F               | 81                      | Pella Dam    |      |    |
| FSL Parameters | Gauge Plate                         | Reduced Level                             | Surface area | Net capacity    | Gross capacity       |                       |                    |                         |              |      |    |
|                | (m)                                 | (m)                                       | (ha)         | (mill m**3)     | (mill m**3)          |                       |                    |                         |              |      |    |
|                | 9.00                                | 1099.82                                   | 47.00        | 2.11            | 2.17                 |                       | 1989-06-16         | Basin                   | survey       |      |    |
|                | 9.00                                | 1099.82                                   | 47.00        | 2.19            | 2.24                 |                       | 2002-10-01         | Basin                   | survey       |      |    |
|                | 9.00                                | 1099.82                                   | 47.00        | 2.11            | 2.17                 |                       | 2004-12-01         | Basin                   | survey       |      |    |
| Data           |                                     |                                           |              |                 |                      |                       | Data Period        |                         |              |      |    |
|                | 100.00                              | Level                                     | (Metres)     |                 |                      |                       | 2008-04-21         | 2025-02-14              | 26% missing  |      |    |
| A4R001         | Mokolo River @ Hans Strijdom Natres |                                           |              |                 | 23:59:03             | 27:43:08              | A42F               | 4220                    | Mokolo Dam   |      |    |
| FSL Parameters | Gauge Plate                         | Reduced Level                             | Surface area | Net capacity    | Gross capacity       |                       |                    |                         |              |      |    |
|                | (m)                                 | (m)                                       | (ha)         | (mill m**3)     | (mill m**3)          |                       |                    |                         |              |      |    |
|                | 41.84                               | 911.98                                    | 858.82       | 156.20          | 157.45               |                       | 1980-04-09         | Basin                   | survey       |      |    |
|                | 41.84                               | 911.98                                    | 828.94       | 145.47          | 146.01               |                       | 1987-10-01         | Basin                   | survey       |      |    |
|                | 41.84                               | 911.98                                    | 828.80       | 145.35          | 145.90               |                       | 1998-10-01         | Basin                   | survey       |      |    |
|                | 41.84                               | 911.98                                    | 830.21       | 145.77          | 146.35               |                       | 2015-05-01         | Basin                   | survey       |      |    |
| Data           |                                     |                                           |              |                 |                      |                       | Data Period        |                         |              |      |    |
|                | 10.59                               | Rainfall                                  | (mm.)        | RTS_CELLO_RAIN  |                      |                       | 2016-09-22         | 2024-04-06              | 89% missing  |      |    |
|                | 100.00                              | Level                                     | (Metres)     |                 |                      |                       | 1980-04-09         | 2024-04-06              |              |      |    |
|                | 230.09                              | Level                                     | (m)          | CELLO_UP_LEVEL  |                      |                       | 2016-09-22         | 2024-04-06              | 54% missing  |      |    |
| Components     |                                     |                                           |              |                 |                      |                       | Component Period   |                         |              |      |    |
|                | A4E007                              | Mokolo Nat.Res @ Mokolo Dam               |              |                 |                      | 1980-04-09            |                    |                         |              |      |    |
|                | A4H010                              | Mokolo River @ Mokolo Nat Res             |              |                 |                      | 1980-08-01            |                    |                         |              |      |    |
|                | A4H009                              | Witbank Spruit @ Hans Strijdom Natres     |              |                 |                      | 1980-10-16            |                    | 2001-05-02              |              |      |    |
|                | A4H011                              | Pipeline from Mokolo Dam @ Mokolo Nat Res |              |                 |                      | 1980-11-30            |                    |                         |              |      |    |
| A5R001         | Palala River @ Hope Town            |                                           |              |                 | 23:37:56             | 28:09:35              | A50E               | 2322                    | Vischgat Dam |      |    |
| FSL Parameters | Gauge Plate                         | Reduced Level                             | Surface area | Net capacity    | Gross capacity       |                       |                    |                         |              |      |    |
|                | (m)                                 | (m)                                       | (ha)         | (mill m**3)     | (mill m**3)          |                       |                    |                         |              |      |    |
|                | 0.00                                | 862.22                                    | 0.00         | 0.00            | 0.00                 |                       | 1968-02-01         |                         |              |      |    |
|                | 0.00                                | 862.22                                    | 30.90        | 0.46            | 0.46                 |                       | 1983-10-01         | Basin                   | survey       |      |    |
|                | 0.00                                | 862.22                                    | 30.90        | 0.46            | 0.46                 |                       | 1999-07-28         |                         |              |      |    |
|                | 0.00                                | 862.22                                    | 30.70        | 0.44            | 0.44                 |                       | 1999-10-01         | Basin                   | survey       |      |    |
| Data           |                                     |                                           |              |                 |                      |                       | Data Period        |                         |              |      |    |
|                | 10.59                               | Rainfall                                  | (mm.)        | CELLO_RAIN      |                      |                       | 2024-01-17         | 2024-03-20              |              |      |    |
|                | 100.00                              | Level                                     | (Metres)     |                 |                      |                       | 1968-02-14         | 2024-03-20              | 2% missing   |      |    |
|                | 230.09                              | Level                                     | (m)          | CELLO_UP_LEVEL  |                      |                       | 2014-03-08         | 2024-06-12              | 12% missing  |      |    |
|                | 230.15                              | Level                                     | (m)          | Cello backup hg |                      |                       | 2023-10-23         | 2024-06-12              |              |      |    |
|                | 815.70                              | Temp                                      | (Deg c)      | TROLL_UP_TEMP   |                      |                       | 2018-05-16         | 2024-03-20              | 44% missing  |      |    |
|                | 821.70                              | Conduct.                                  | (Specific)   | Raw logger data |                      |                       | 2022-09-23         | 2024-01-17              |              |      |    |
| Components     |                                     |                                           |              |                 |                      |                       | Component Period   |                         |              |      |    |
|                | A5E002                              | Hope Town @ Vischgat Dam                  |              |                 |                      | 1968-02-01            |                    |                         |              |      |    |



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| Station        |                                 |                                             |              |                          | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description     | Page 12 |
|----------------|---------------------------------|---------------------------------------------|--------------|--------------------------|----------------------|-----------------------|--------------------|-------------------------|-----------------|---------|
| A5R002         | Palala River @ Susandale        |                                             |              |                          | 23:22:52             | 28:01:19              | A50G               | 3537                    | Susandale Dam   |         |
| FSL Parameters | Gauge Plate                     | Reduced Level                               | Surface area | Net capacity             | Gross capacity       |                       |                    |                         |                 |         |
|                | (m)                             | (m)                                         | (ha)         | (mill m**3)              | (mill m**3)          |                       |                    |                         |                 |         |
|                | 0.00                            | 818.63                                      | 25.94        | 0.51                     | 0.51                 |                       | 1968-02-07         | Basin                   | survey          |         |
|                | 0.00                            | 818.63                                      | 24.89        | 0.30                     | 0.30                 |                       | 1983-10-01         | Basin                   | survey          |         |
|                | 0.00                            | 818.63                                      | 23.43        | 0.28                     | 0.28                 |                       | 1997-10-01         | Basin                   | survey          |         |
| Data           |                                 |                                             |              |                          | Data Period          |                       |                    |                         |                 |         |
|                | 100.00                          | Level                                       | (Metres)     |                          |                      |                       | 1968-02-07         | 2025-01-22              | 4% missing      |         |
|                | 230.00                          | Level                                       | (m)          | MeteoSat                 |                      |                       | 2024-10-23         | 2025-01-22              |                 |         |
|                | 230.09                          | Level                                       | (m)          | CELLO_UP_LEVEL           |                      |                       | 2006-10-17         | 2025-01-22              | 14% missing     |         |
|                | 230.15                          | Level                                       | (m)          | Cello backup hg          |                      |                       | 2024-01-17         | 2024-03-20              |                 |         |
|                | 815.70                          | Temp                                        | (Deg C)      | TROLL_UP_TEMP            |                      |                       | 2017-10-31         | 2025-01-22              | 50% missing     |         |
|                | 821.70                          | Conduct.                                    | (Specific)   | Raw logger data          |                      |                       | 2022-09-23         | 2023-08-22              |                 |         |
| A6R001         | Sterk River @ Doorndraai        |                                             |              |                          | 24:16:47             | 28:46:36              | A61H               | 580                     | Doorndraai Dam  |         |
| FSL Parameters | Gauge Plate                     | Reduced Level                               | Surface area | Net capacity             | Gross capacity       |                       |                    |                         |                 |         |
|                | (m)                             | (m)                                         | (ha)         | (mill m**3)              | (mill m**3)          |                       |                    |                         |                 |         |
|                | 14.97                           | 1175.01                                     | 427.59       | 27.83                    | 28.83                |                       | 1953-03-01         | Basin                   | survey          |         |
|                | 18.55                           | 1178.59                                     | 568.33       | 45.50                    | 46.50                |                       | 1976-04-01         |                         |                 |         |
|                | 18.96                           | 1178.59                                     | 568.33       | 45.50                    | 46.50                |                       | 1976-05-10         |                         |                 |         |
|                | 18.96                           | 1178.59                                     | 559.27       | 43.98                    | 44.51                |                       | 1980-10-01         | Basin                   | survey          |         |
|                | 18.96                           | 1178.59                                     | 560.60       | 43.76                    | 44.20                |                       | 1997-10-01         | Basin                   | survey          |         |
|                | 18.96                           | 1178.59                                     | 562.08       | 44.93                    | 45.43                |                       | 2023-10-01         | Basin                   | survey          |         |
| Data           |                                 |                                             |              |                          | Data Period          |                       |                    |                         |                 |         |
|                | 100.00                          | Level                                       | (Metres)     |                          |                      |                       | 1953-03-01         | 2025-01-22              |                 |         |
|                | 215.00                          | Tot Gates'                                  | Vol(Ml)      | Gate Discharge           | Volume               |                       | 1976-03-31         | 2001-12-02              |                 |         |
|                | 230.01                          | Level                                       | (m)          | Realtime                 |                      |                       | 2007-07-06         | 2015-12-08              | 36% missing     |         |
|                | 230.09                          | Level                                       | (m)          | CELLO_UP_LEVEL           |                      |                       | 2007-07-05         | 2019-09-03              |                 |         |
|                | 360.00                          | E01: Res                                    | inflow (Ml)  |                          |                      |                       | 1953-03-03         | 2011-02-01              | 2% missing      |         |
| Components     |                                 |                                             |              |                          | Component Period     |                       |                    |                         |                 |         |
|                | 0633463                         | Vastrap                                     |              |                          |                      |                       | 1953-03-01         | 1955-06-30              |                 |         |
|                | A6H027                          | Sterk River @ Doorndraai                    |              |                          |                      |                       | 1953-03-01         |                         |                 |         |
|                | A6E001                          | Doorndraai @ Doorndraai Dam                 |              |                          |                      |                       | 1953-03-05         |                         |                 |         |
|                | A6H030                          | Right Irrigation Canal @ Doorndraai         |              |                          |                      |                       | 1954-08-26         |                         |                 |         |
|                | A6H028                          | Right Canal to Treatment Works @ Doorndraai |              |                          |                      |                       | 1977-09-15         | 2004-03-15              |                 |         |
| A6R002         | Mogalakwena River @ Glen Alpine |                                             |              |                          | 23:11:31             | 28:41:53              | A62J               | 11245                   | Glen Alpine Dam |         |
| FSL Parameters | Gauge Plate                     | Reduced Level                               | Surface area | Net capacity             | Gross capacity       |                       |                    |                         |                 |         |
|                | (m)                             | (m)                                         | (ha)         | (mill m**3)              | (mill m**3)          |                       |                    |                         |                 |         |
|                | 15.21                           | 818.41                                      | 469.80       | 22.84                    | 22.86                |                       | 1967-10-02         | Basin                   | survey          |         |
|                | 15.21                           | 818.41                                      | 465.30       | 21.12                    | 21.12                |                       | 1978-10-01         | Basin                   | survey          |         |
|                | 15.21                           | 818.41                                      | 465.00       | 19.95                    | 19.95                |                       | 1990-10-01         | Basin                   | survey          |         |
|                | 15.21                           | 818.41                                      | 461.30       | 18.89                    | 18.89                |                       | 2000-10-01         | Basin                   | survey          |         |
| Data           |                                 |                                             |              |                          | Data Period          |                       |                    |                         |                 |         |
|                | 10.59                           | Rainfall                                    | (mm.)        | RTS_CELLO_RAIN           |                      |                       | 2015-10-27         | 2017-03-26              |                 |         |
|                | 10.61                           | Rainfall                                    | (mm.)        | 4 WATER Cello (realtime) |                      |                       | 2015-05-19         | 2022-03-09              | 63% missing     |         |
|                | 10.70                           | Rainfall                                    | (mm.)        | Tipping Bucket           |                      |                       | 2012-09-17         | 2012-10-17              |                 |         |



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|----------------|-----------------------------------|-----------------------------------------|-------------------|-----------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|---------|
| A6R002         | (continued)                       |                                         |                   |                 |                      |                       |                    |                         |                   |         |
|                | 100.00                            | Level                                   | (Metres)          |                 |                      |                       | 1967-10-02         | 2024-03-19              |                   |         |
|                | 135.00                            | Spill Disch                             | (Cumecs)          |                 |                      |                       | 1967-10-02         | 2021-03-08              |                   |         |
|                | 230.01                            | Level                                   | (m)               | Realtime        |                      |                       | 2006-07-24         | 2012-09-12              | 13% missing       |         |
|                | 230.09                            | Level                                   | (m)               | CELLO_UP_LEVEL  |                      |                       | 2007-02-26         | 2023-08-23              | 7% missing        |         |
|                | 230.15                            | Level                                   | (m)               | Cello backup hg |                      |                       | 2024-01-16         | 2024-03-19              |                   |         |
|                | 360.00                            | E01: Res inflow                         | (Ml)              |                 |                      |                       | 1970-04-03         | 2011-01-24              |                   |         |
|                | 367.00                            | G01: Tot accr                           | (Ml)              |                 |                      |                       | 1973-05-23         | 2003-09-01              | 8% missing        |         |
|                | 368.00                            | G02: Precip                             | (Ml)              |                 |                      |                       | 1970-04-03         | 2004-03-01              |                   |         |
|                | 372.00                            | G08: Stor Diff                          | (Ml)              |                 |                      |                       | 1970-04-03         | 2004-03-10              |                   |         |
|                | 374.00                            | G21: Tot outfl                          | (Ml)              |                 |                      |                       | 1973-05-23         | 2004-03-11              |                   |         |
|                | 375.00                            | G22: Tot riv rel                        | (Ml)              |                 |                      |                       | 1973-05-23         | 2004-03-11              |                   |         |
|                | 388.00                            | G41: Gross evap                         | (Ml)              |                 |                      |                       | 1970-04-03         | 2003-09-01              | 7% missing        |         |
|                | 389.00                            | G42: Unacc loss                         | (Ml)              |                 |                      |                       | 1970-04-03         | 2004-08-03              |                   |         |
| Components     |                                   |                                         |                   |                 |                      |                       | Component Period   |                         |                   |         |
|                | A6E004                            | Glen Alpine                             | @ Glen Alpine Dam |                 |                      |                       | 1968-06-25         |                         |                   |         |
|                | A6H029                            | Mogalakwena River                       | @ Glen Alpine     |                 |                      |                       | 1970-04-02         |                         |                   |         |
| A6R003         | Little Nyl River @ Donkerpoort    |                                         |                   |                 | 24:40:08             | 28:19:25              | A61A               | 88                      | Donkerpoort Dam   |         |
| FSL Parameters | Gauge Plate                       | Reduced Level                           | Surface area      | Net capacity    | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                               | (m)                                     | (ha)              | (mill m**3)     | (mill m**3)          |                       |                    |                         |                   |         |
|                | 23.00                             | 1149.90                                 | 55.50             | 3.43            | 3.43                 |                       | 1978-05-11         | Basin survey            |                   |         |
| Data           |                                   |                                         |                   |                 |                      |                       | Data Period        |                         |                   |         |
|                | 100.00                            | Level                                   | (Metres)          |                 |                      |                       | 1978-05-11         | 1986-04-01              | 2% missing        |         |
| Components     |                                   |                                         |                   |                 |                      |                       | Component Period   |                         |                   |         |
|                | A6E006                            | Donkerpoort                             | @ Donkerpoort Dam |                 |                      |                       | 1978-05-11         | 1986-03-25              |                   |         |
| A6R004         | Dorps River @ Piet Potgietersrust |                                         |                   |                 | 24:09:52             | 29:01:48              | A61F               | 175                     | Gert Combrink Dam |         |
| FSL Parameters | Gauge Plate                       | Reduced Level                           | Surface area      | Net capacity    | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                               | (m)                                     | (ha)              | (mill m**3)     | (mill m**3)          |                       |                    |                         |                   |         |
|                | 12.30                             | 1161.30                                 | 20.70             | 0.95            | 0.95                 |                       | 1978-06-08         | Basin survey            |                   |         |
| Data           |                                   |                                         |                   |                 |                      |                       | Data Period        |                         |                   |         |
|                | 100.00                            | Level                                   | (Metres)          |                 |                      |                       | 1978-06-08         | 1990-08-07              | 20% missing       |         |
|                | 360.00                            | E01: Res inflow                         | (Ml)              |                 |                      |                       | 1978-06-10         | 1980-10-01              | 100% missing      |         |
| Components     |                                   |                                         |                   |                 |                      |                       | Component Period   |                         |                   |         |
|                | 0634131                           | Planknek                                |                   |                 |                      |                       | 1978-06-08         | 1984-04-30              |                   |         |
|                | A6E002                            | Potgietersrus                           |                   |                 |                      |                       | 1978-06-08         | 1984-04-30              |                   |         |
|                | A6H031                            | Pipeline to Dorp @ Piet Potgietersrust  |                   |                 |                      |                       | 1978-06-08         | 1990-08-07              |                   |         |
|                | A6H032                            | Dorps River @ Piet Potgietersrust       |                   |                 |                      |                       | 1978-06-08         | 1990-08-07              |                   |         |
|                | A6E007                            | Piet Potgietersrust @ Gert Combrink Dam |                   |                 |                      |                       | 1984-05-01         | 1990-08-07              |                   |         |
| A7R001         | Sand River @ Voorburg             |                                         |                   |                 | 22:32:03             | 29:51:44              | A71K               | 160                     | Dr Neetling Dam   |         |



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|----------------|-------------------------------------|--------------------------|----------------------|-----------------------------|-------------------------------|-----------------------|--------------------|-------------------------|----------------|---------|
| A7R002         | Hout River @ Houtrivier Dam         |                          |                      |                             | 23:46:20                      | 29:13:47              | A71E               | 144                     | Houtrivier Dam |         |
| FSL Parameters | Gauge Plate<br>(m)                  | Reduced Level<br>(m)     | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |                |         |
|                | 16.25                               | 1257.25                  | 159.00               | 7.49                        | 7.49                          |                       | 1988-10-01         | Basin                   | survey         |         |
|                | 8.02                                | 1257.26                  | 158.05               | 6.62                        | 6.62                          |                       | 2009-02-05         | Basin                   | survey         |         |
| Data           |                                     |                          |                      |                             | Data Period                   |                       |                    |                         |                |         |
|                | 100.00                              | Level                    | (Metres)             |                             | 2009-02-05                    |                       | 2024-03-18         | 10%                     | missing        |         |
|                | 230.01                              | Level                    | (m)                  | East Coast                  | 2009-02-05                    |                       | 2015-12-08         | 10%                     | missing        |         |
|                | 230.09                              | Level                    | (m)                  | CELLO_UP_LEVEL              | 1907-08-14                    |                       | 2024-03-18         | 88%                     | missing        |         |
|                | 230.15                              | Level                    | (m)                  | Cello backup hg             | 2024-02-19                    |                       | 2024-03-20         |                         |                |         |
| A8R001         | Nzhelele River @ Nairobi            |                          |                      |                             | 22:43:29                      | 30:05:44              | A80C               | 830                     | Nzhelele Dam   |         |
| FSL Parameters | Gauge Plate<br>(m)                  | Reduced Level<br>(m)     | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |                |         |
|                | 20.27                               | 617.18                   | 377.48               | 30.71                       | 30.93                         |                       | 1948-02-01         | Basin                   | survey         |         |
|                | 20.27                               | 617.18                   | 365.07               | 27.87                       | 28.04                         |                       | 1966-10-01         | Basin                   | survey         |         |
|                | 26.36                               | 623.27                   | 604.89               | 57.12                       | 57.29                         |                       | 1968-08-15         |                         |                |         |
|                | 26.25                               | 623.27                   | 588.70               | 56.83                       | 57.01                         |                       | 1979-04-25         | Basin                   | survey         |         |
|                | 26.25                               | 623.27                   | 594.40               | 55.30                       | 55.30                         |                       | 1990-10-01         | Basin                   | survey         |         |
|                | 26.25                               | 623.27                   | 544.20               | 51.23                       | 51.23                         |                       | 1999-10-01         | 202.00                  |                |         |
| Data           |                                     |                          |                      |                             | Data Period                   |                       |                    |                         |                |         |
|                | 10.59                               | Rainfall                 | (mm.)                | CELLO_RAIN                  | 2016-01-08                    |                       | 2017-09-13         |                         |                |         |
|                | 100.00                              | Level                    | (Metres)             |                             | 1948-02-01                    |                       | 2024-12-10         | 6%                      | missing        |         |
|                | 230.01                              | Level                    | (m)                  | Realtime                    | 2007-02-27                    |                       | 2015-12-08         | 18%                     | missing        |         |
|                | 230.09                              | Level                    | (m)                  | CELLO_UP_LEVEL              | 2014-01-02                    |                       | 2017-04-02         |                         |                |         |
|                | 230.15                              | Level                    | (m)                  | Cello backup hg             | 2023-10-24                    |                       | 2024-01-16         |                         |                |         |
|                | 815.72                              | Temp                     | (Deg C)              |                             | 2024-09-25                    |                       | 2024-12-10         |                         |                |         |
| Components     |                                     |                          |                      |                             | Component Period              |                       |                    |                         |                |         |
|                | 0766133                             | Krantzpoort              |                      |                             | 1948-02-01                    |                       | 1956-01-01         |                         |                |         |
|                | A8H008                              | Nzhelele River @ Nairobi |                      |                             | 1948-02-01                    |                       | 2000-02-02         |                         |                |         |
|                | A9E001                              | Levubu Settlement        |                      |                             | 1948-08-01                    |                       | 1952-09-30         |                         |                |         |
|                | A9E002                              | Goedehoop @ Albasini Dam |                      |                             | 1952-10-01                    |                       | 1970-01-31         |                         |                |         |
|                | 0765825                             | Phantom                  |                      |                             | 1956-01-01                    |                       | 1965-01-01         |                         |                |         |
|                | 0766277                             | Tshipise                 |                      |                             | 1965-01-01                    |                       | 1970-01-31         |                         |                |         |
|                | A8E001                              | Nairobi @ Nzhelele Dam   |                      |                             | 1970-02-01                    |                       |                    |                         |                |         |
|                | A8H015                              | Nzelele @ Nairobi        |                      |                             | 2002-01-14                    |                       |                    |                         |                |         |
| A8R002         | Luphephe River @ Nwanedzi Nat. Res. |                          |                      |                             | 22:38:04                      | 30:24:08              | A80H               | 156                     | Luphephe Dam   |         |
| FSL Parameters | Gauge Plate<br>(m)                  | Reduced Level<br>(m)     | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |                |         |
|                | 24.04                               | 568.44                   | 143.50               | 14.82                       | 15.10                         |                       | 1964-01-01         | Basin                   | survey         |         |
|                | 23.98                               | 568.44                   | 141.56               | 14.75                       | 15.00                         |                       | 1979-05-04         | Basin                   | survey         |         |
|                | 23.98                               | 568.44                   | 141.55               | 14.65                       | 14.90                         |                       | 1999-10-01         | Basin                   | survey         |         |
|                | 23.98                               | 568.44                   | 134.33               | 13.98                       | 14.17                         |                       | 2004-10-01         | Basin                   | survey         |         |
| Data           |                                     |                          |                      |                             | Data Period                   |                       |                    |                         |                |         |
|                | 10.59                               | Rainfall                 | (mm.)                | RTS_CELLO_RAIN              | 2015-07-27                    |                       | 2017-09-22         |                         |                |         |
|                | 100.00                              | Level                    | (Metres)             |                             | 1964-01-01                    |                       | 2024-12-11         |                         |                |         |



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|----------------|--------------------------------------|---------------------------------------------------------|--------------|--------------------|----------------------|-----------------------|--------------------|-------------------------|---------------|---------|
| A8R002         | (continued)                          |                                                         |              |                    |                      |                       |                    |                         |               |         |
|                | 135.00                               | Spill Disch (Cumecs)                                    |              |                    |                      |                       | 1964-01-01         | 2021-02-17              | 1% missing    |         |
|                | 230.01                               | Level (m)                                               |              | Realtime           |                      |                       | 2007-02-27         | 2012-01-24              |               |         |
|                | 230.09                               | Level (m)                                               |              | RTS_UP_CELLO_LEVEL |                      |                       | 2015-07-27         | 2016-12-29              |               |         |
|                | 360.00                               | E01: Res inflow (Ml)                                    |              |                    |                      |                       | 1968-10-02         | 2009-07-21              | 6% missing    |         |
| Components     |                                      |                                                         |              |                    |                      |                       | Component          | Period                  |               |         |
|                | 0766842                              | Folonhodwe                                              |              |                    |                      |                       | 1964-01-01         | 1965-06-30              |               |         |
|                | A9E002                               | Goedehoop @ Albasini Dam                                |              |                    |                      |                       | 1964-01-01         | 1965-06-30              |               |         |
|                | A8H009                               | Luphephe River @ Nwanedi Nat. Res.                      |              |                    |                      |                       | 1964-02-01         |                         |               |         |
|                | A8E002                               | Nwanedzi Nat.Res. @ Luphephe Dam                        |              |                    |                      |                       | 1965-07-01         |                         |               |         |
| A8R003         | Nwanedzi River @ Nwanedzi Nat. Res.  |                                                         |              |                    | 22:38:06             | 30:23:56              | A80H               | 109                     | Nwanedzi Dam  |         |
| FSL Parameters | Gauge Plate                          | Reduced Level                                           | Surface area | Net capacity       | Gross capacity       |                       |                    |                         |               |         |
|                | (m)                                  | (m)                                                     | (ha)         | (mill m**3)        | (mill m**3)          |                       |                    |                         |               |         |
|                | 20.07                                | 568.43                                                  | 58.40        | 5.31               | 5.57                 |                       | 1964-01-01         | Basin survey            |               |         |
|                | 20.07                                | 568.43                                                  | 58.40        | 5.28               | 5.53                 |                       | 1979-10-01         | Basin survey            |               |         |
|                | 20.07                                | 568.43                                                  | 56.60        | 5.25               | 5.50                 |                       | 1999-10-01         | Basin survey            |               |         |
|                | 20.07                                | 568.43                                                  | 55.04        | 5.14               | 5.35                 |                       | 2004-10-01         | Basin survey            |               |         |
| Data           |                                      |                                                         |              |                    |                      |                       | Data               | Period                  |               |         |
|                | 100.00                               | Level (Metres)                                          |              |                    |                      |                       | 1963-12-05         | 2024-12-11              |               |         |
|                | 135.00                               | Spill Disch (Cumecs)                                    |              |                    |                      |                       | 1963-12-05         | 2020-02-11              | 1% missing    |         |
|                | 230.01                               | Level (m)                                               |              | Realtime           |                      |                       | 2007-02-27         | 2012-02-13              |               |         |
| Components     |                                      |                                                         |              |                    |                      |                       | Component          | Period                  |               |         |
|                | A8H010                               | Nwanedzi River @ Nwanedzi Nat. Res.                     |              |                    |                      |                       | 1963-12-05         |                         |               |         |
|                | 0766842                              | Folonhodwe                                              |              |                    |                      |                       | 1964-01-01         | 1965-06-30              |               |         |
|                | A9E002                               | Goedehoop @ Albasini Dam                                |              |                    |                      |                       | 1964-01-01         | 1965-06-30              |               |         |
|                | A8E002                               | Nwanedzi Nat.Res. @ Luphephe Dam                        |              |                    |                      |                       | 1965-07-01         |                         |               |         |
| A8R004         | Mutshedzi River @ Beaconsfield Venda |                                                         |              |                    | 22:56:45             | 30:09:50              | A80A               | 93                      | Mutshedzi Dam |         |
| FSL Parameters | Gauge Plate                          | Reduced Level                                           | Surface area | Net capacity       | Gross capacity       |                       |                    |                         |               |         |
|                | (m)                                  | (m)                                                     | (ha)         | (mill m**3)        | (mill m**3)          |                       |                    |                         |               |         |
|                | 12.89                                | 863.00                                                  | 47.80        | 2.34               | 2.36                 |                       | 1990-07-10         | Original                |               |         |
| Data           |                                      |                                                         |              |                    |                      |                       | Data               | Period                  |               |         |
|                | 100.00                               | Level (Metres)                                          |              |                    |                      |                       | 1990-07-10         | 2024-01-15              |               |         |
|                | 230.01                               | Level (m)                                               |              | Realtime           |                      |                       | 2013-01-01         | 2015-06-19              | 32% missing   |         |
|                | 230.09                               | Level (m)                                               |              | CELL0_UP_LEVEL     |                      |                       | 2014-10-16         | 2024-01-15              | 35% missing   |         |
| Components     |                                      |                                                         |              |                    |                      |                       | Component          | Period                  |               |         |
|                | A8H012                               | Pipeline from Dam to Treatment Works @ Beaconsfield     |              |                    |                      |                       | 1990-07-10         |                         |               |         |
|                | A8H011                               | Mutshedzi River @ Beaconsfield- W Comp.Of Mutshedzi Dam |              |                    |                      |                       | 1990-08-01         | 2000-02-16              |               |         |
|                | A8E004                               | Beaconsfield @ Mutshedzi Dam                            |              |                    |                      |                       | 1991-06-11         |                         |               |         |
|                | A8H014                               | Mutshedzi River @ Beaconsfield- W Comp.Of Mutshedzi Dam |              |                    |                      |                       | 2002-10-26         |                         |               |         |
| A9R001         | Luvuvhu River @ Goedehoop            |                                                         |              |                    | 23:06:25             | 30:07:30              | A91B               | 505                     | Albasini Dam  |         |



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|----------------|------------------------------|-----------------------------------------------|--------------|------------------|----------------------|-----------------------|--------------------|-------------------------|-------------|---------|
| A9R001         | (continued)                  |                                               |              |                  |                      |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate                  | Reduced Level                                 | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |             |         |
|                | (m)                          | (m)                                           | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |             |         |
|                | 16.36                        | 749.06                                        | 267.91       | 20.85            | 21.15                |                       | 1952-10-01         | Basin                   | survey      |         |
|                | 19.41                        | 752.12                                        | 353.79       | 30.33            | 30.62                |                       | 1971-01-01         |                         |             |         |
|                | 19.41                        | 752.12                                        | 351.09       | 29.49            | 29.58                |                       | 1976-10-01         | Basin                   | survey      |         |
|                | 19.41                        | 752.12                                        | 349.49       | 28.20            | 28.25                |                       | 1994-10-01         | Basin                   | survey      |         |
| Data           |                              |                                               |              |                  |                      |                       | Data Period        |                         |             |         |
|                | 100.00                       | Level                                         | (Metres)     |                  |                      |                       | 1952-10-01         | 2025-02-19              |             |         |
|                | 230.04                       | Level (m)                                     |              | HYDRAS 3         |                      |                       | 2012-10-25         | 2024-07-25              | 59% missing |         |
|                | 230.15                       | Level (m)                                     |              | Cello backup hg  |                      |                       | 2024-07-24         | 2025-02-19              |             |         |
|                | 375.00                       | G22: Tot riv rel (Ml                          |              |                  |                      |                       | 1971-10-01         | 2024-02-14              | 41% missing |         |
| Components     |                              |                                               |              |                  |                      |                       | Component Period   |                         |             |         |
|                | A9E002                       | Goedehoop @ Albasini Dam                      |              |                  |                      |                       | 1952-10-01         |                         |             |         |
|                | A9H017                       | Left Principal Canal from Dam @ Goedehoop     |              |                  |                      |                       | 1952-10-01         |                         |             |         |
|                | A9H018                       | Right Banatyn Canal @ Goedehoop               |              |                  |                      |                       | 1952-10-01         | 2001-07-31              |             |         |
|                | A9H020                       | Luvuvhu River @ Goedehoop                     |              |                  |                      |                       | 1954-04-02         |                         |             |         |
|                | A9H019                       | Left Municipality Pipeline @ Goedehoop        |              |                  |                      |                       | 1965-11-01         |                         |             |         |
| A9R002         | Mutshindudi River @ Vhutanda |                                               |              |                  | 22:56:60             | 30:21:07              | A91G               | 49                      | Vondo Dam   |         |
| FSL Parameters | Gauge Plate                  | Reduced Level                                 | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |             |         |
|                | (m)                          | (m)                                           | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |             |         |
|                | 15.00                        | 852.00                                        | 74.60        | 5.17             | 5.31                 |                       | 1985-04-11         | Basin                   | survey      |         |
|                | 33.00                        | 870.00                                        | 219.00       | 30.45            | 30.58                |                       | 1993-12-01         |                         |             |         |
| Data           |                              |                                               |              |                  |                      |                       | Data Period        |                         |             |         |
|                | 10.59                        | Rainfall (mm.)                                |              | Cello primary pp |                      |                       | 2018-06-08         | 2024-02-27              | 92% missing |         |
|                | 100.00                       | Level (Metres)                                |              |                  |                      |                       | 1985-04-11         | 2025-02-20              | 2% missing  |         |
|                | 101.00                       | Cor.Lev. (Metres)                             |              |                  |                      |                       | 2018-06-05         | 2018-09-03              |             |         |
|                | 230.01                       | Level (m)                                     |              | Realtime         |                      |                       | 2004-10-21         | 2014-06-25              | 39% missing |         |
|                | 230.09                       | Level (m)                                     |              | CELLO_UP_LEVEL   |                      |                       | 2014-01-09         | 2025-02-20              | 50% missing |         |
|                | 230.15                       | Level (m)                                     |              | Cello backup hg  |                      |                       | 2023-07-26         | 2025-02-20              | 20% missing |         |
|                | 815.70                       | Temp (Deg C)                                  |              | Raw logger data  |                      |                       | 2021-05-15         | 2024-07-18              | 47% missing |         |
| Components     |                              |                                               |              |                  |                      |                       | Component Period   |                         |             |         |
|                | A8E004                       | Beaconsfield @ Mutshedzi Dam                  |              |                  |                      |                       | 1985-04-11         |                         |             |         |
|                | A9H021                       | Right Pipeline For Treatment Works @ Vhutanda |              |                  |                      |                       | 1985-09-12         |                         |             |         |
|                | A9H022                       | Right Irrigation Pipeline @ Vhutanda          |              |                  |                      |                       | 1986-05-01         |                         |             |         |
|                | A9H024                       | Mutshindudi River @ Chibase Sibasa            |              |                  |                      |                       | 1994-06-29         | 1999-11-29              |             |         |
|                | A9H026                       | W-Component Vondo Dam                         |              |                  |                      |                       | 2006-06-12         |                         |             |         |
| A9R004         | Levhuvhu River @ Nandoni     |                                               |              |                  | 22:58:52             | 30:35:53              | A91E               | 1411                    | Nandoni Dam |         |
| FSL Parameters | Gauge Plate                  | Reduced Level                                 | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |             |         |
|                | (m)                          | (m)                                           | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |             |         |
|                | 29.70                        | 509.96                                        | 1614.67      | 162.83           | 163.54               |                       | 1997-01-01         | Original                |             |         |
|                | 29.70                        | 509.96                                        | 1645.48      | 166.11           | 166.88               |                       | 2008-06-01         | Basin                   | survey      |         |



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| Station        |                                    |                                                  |                          |              |                | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description    | Page 17     |
|----------------|------------------------------------|--------------------------------------------------|--------------------------|--------------|----------------|----------------------|-----------------------|--------------------|-------------------------|----------------|-------------|
| A9R004         | (continued)                        |                                                  |                          |              |                |                      |                       |                    |                         |                |             |
| Data           |                                    |                                                  |                          |              |                |                      |                       |                    | Data Period             |                |             |
|                | 10.61                              | Rainfall (mm.)                                   | 4 WATER Cello (realtime) |              |                |                      |                       |                    | 2018-06-08              | 2021-03-09     | 70% missing |
|                | 100.00                             | Level (Metres)                                   |                          |              |                |                      |                       |                    | 2006-07-12              | 2025-02-20     |             |
|                | 230.01                             | Level (m)                                        | East Coast               |              |                |                      |                       |                    | 2007-02-27              | 2015-12-08     | 34% missing |
|                | 230.09                             | Level (m)                                        | DUOSENS_UP_LEVEL         |              |                |                      |                       |                    | 2007-02-27              | 2025-02-20     | 16% missing |
|                | 230.15                             | Level (m)                                        | Cello backup hg          |              |                |                      |                       |                    | 2024-02-22              | 2025-02-20     |             |
| Components     |                                    |                                                  |                          |              |                |                      |                       |                    | Component Period        |                |             |
|                | A9H030                             | Levuvhu River @ W Component of Nandoni Dam       |                          |              |                |                      |                       |                    | 2007-04-25              |                |             |
|                | A9E004                             | Nandoni Dam Evaporation                          |                          |              |                |                      |                       |                    | 2009-10-05              |                |             |
| B1R001         | Olifants River @ Witbank           |                                                  |                          |              |                | 25:53:30             | 29:18:19              | B11G               | 3579                    | Witbank Dam    |             |
| FSL Parameters | Gauge Plate                        | Reduced Level                                    | Surface area             | Net capacity | Gross capacity |                      |                       |                    |                         |                |             |
|                | (m)                                | (m)                                              | (ha)                     | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |                |             |
|                | 12.19                              | 1479.49                                          | 113.80                   | 5.72         | 5.73           |                      |                       |                    | 1953-11-04              | Basin survey   |             |
|                | 17.83                              | 1485.13                                          | 207.67                   | 14.54        | 14.56          |                      |                       |                    | 1958-12-01              |                |             |
|                | 35.39                              | 1502.69                                          | 1211.04                  | 104.68       | 104.68         |                      |                       |                    | 1970-11-01              |                |             |
|                | 35.39                              | 1502.69                                          | 1211.20                  | 104.02       | 104.02         |                      |                       |                    | 1983-10-01              | Basin survey   |             |
| Data           |                                    |                                                  |                          |              |                |                      |                       |                    | Data Period             |                |             |
|                | 100.00                             | Level (Metres)                                   |                          |              |                |                      |                       |                    | 1953-11-04              | 2025-02-13     |             |
|                | 215.00                             | Tot Gates' Vol(Ml)                               | Gate Discharge Volume    |              |                |                      |                       |                    | 1995-09-01              | 2007-09-30     |             |
|                | 230.01                             | Level (m)                                        | East Coast               |              |                |                      |                       |                    | 2008-07-09              | 2017-07-17     | 22% missing |
|                | 230.09                             | Level (m)                                        | Cello primary hg         |              |                |                      |                       |                    | 2012-03-14              | 2025-03-11     | 13% missing |
|                | 275.99                             | Provincial % Full                                |                          |              |                |                      |                       |                    | 2009-01-01              | 2009-12-01     |             |
| Components     |                                    |                                                  |                          |              |                |                      |                       |                    | Component Period        |                |             |
|                | 0515528                            | Olifantsrivier - Sar                             |                          |              |                |                      |                       |                    | 1953-11-04              | 1964-02-29     |             |
|                | B1H007                             | Pipeline to Treatment Works @ Witbank            |                          |              |                |                      |                       |                    | 1953-11-04              |                |             |
|                | B3E002                             | Loskop Nat. Res. @ Loskop Dam                    |                          |              |                |                      |                       |                    | 1953-11-04              | 1958-02-05     |             |
|                | B1H010                             | Olifants River @ Witbank                         |                          |              |                |                      |                       |                    | 1953-11-12              |                |             |
|                | B3E003                             | Loskop Nat. Res. @ Loskop Dam                    |                          |              |                |                      |                       |                    | 1958-02-06              | 1964-02-29     |             |
|                | B1E001                             | Witbank @ Witbank Dam                            |                          |              |                |                      |                       |                    | 1964-03-01              |                |             |
|                | B1H008                             | Hendrina Power Station Pipeline @ Witbank        |                          |              |                |                      |                       |                    | 1982-08-01              |                |             |
|                | B1H009                             | Duva Power Station Pipeline @ Witbank            |                          |              |                |                      |                       |                    | 1982-08-01              |                |             |
|                | B1H011                             | Pipeline to Naauwpoort Pump Station @ Naauwpoort |                          |              |                |                      |                       |                    | 1982-08-01              |                |             |
| B1R002         | Little Olifants River @ Rondebosch |                                                  |                          |              |                | 25:46:30             | 29:32:46              | B12C               | 1592                    | Middelburg Dam |             |
| FSL Parameters | Gauge Plate                        | Reduced Level                                    | Surface area             | Net capacity | Gross capacity |                      |                       |                    |                         |                |             |
|                | (m)                                | (m)                                              | (ha)                     | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |                |             |
|                | 27.00                              | 1512.49                                          | 468.00                   | 48.06        | 48.43          |                      |                       |                    | 1978-01-30              | Basin survey   |             |
| Data           |                                    |                                                  |                          |              |                |                      |                       |                    | Data Period             |                |             |
|                | 100.00                             | Level (Metres)                                   |                          |              |                |                      |                       |                    | 1978-01-30              | 2025-02-11     |             |
|                | 215.00                             | Tot Gates' Vol(Ml)                               | Gate Discharge Volume    |              |                |                      |                       |                    | 1995-09-01              | 2013-04-01     | 1% missing  |
|                | 230.01                             | Level (m)                                        | East Coast               |              |                |                      |                       |                    | 2008-06-17              | 2017-01-03     | 15% missing |
|                | 230.09                             | Level (m)                                        | Cello primary hg         |              |                |                      |                       |                    | 2012-03-20              | 2025-03-11     | 8% missing  |



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| Station            |                                     |                                             |                  |              |                | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description         | Page 18 |
|--------------------|-------------------------------------|---------------------------------------------|------------------|--------------|----------------|----------------------|-----------------------|--------------------|-------------------------|---------------------|---------|
| B1R002 (continued) |                                     |                                             |                  |              |                |                      |                       |                    |                         |                     |         |
| Components         |                                     |                                             |                  |              |                | Component            |                       | Period             |                         |                     |         |
|                    | 0515826                             | Middelburg - Tnk                            |                  |              |                |                      |                       | 1978-01-30         | 1979-04-04              |                     |         |
|                    | B1E001                              | Witbank @ Witbank Dam                       |                  |              |                |                      |                       | 1978-01-30         | 1979-04-03              |                     |         |
|                    | B1H012                              | Little Olifants River @ Rondebosch          |                  |              |                |                      |                       | 1978-02-24         |                         |                     |         |
|                    | B1H015                              | Little Olifants River @ Rondebosch          |                  |              |                |                      |                       | 1978-02-24         |                         |                     |         |
|                    | B1E003                              | Rondebosch @ Middelburg Dam                 |                  |              |                |                      |                       | 1979-04-04         |                         |                     |         |
|                    | B1H013                              | Town Pipeline @ Rondebosch                  |                  |              |                |                      |                       | 1979-06-01         |                         |                     |         |
|                    | B1H014                              | Pipeline For Railway @ Rondebosch           |                  |              |                |                      |                       | 1979-07-01         |                         |                     |         |
| B2R001             | Bronkhorstspuit River @ Tweefontein |                                             |                  |              |                | 25:53:14             | 28:43:17              | B20C               | 1244                    | Bronkhorstspuit Dam |         |
| FSL Parameters     | Gauge Plate                         | Reduced Level                               | Surface area     | Net capacity | Gross capacity |                      |                       |                    |                         |                     |         |
|                    | (m)                                 | (m)                                         | (ha)             | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |                     |         |
|                    | 14.32                               | 1429.42                                     | 865.12           | 59.73        | 61.03          | 1949-11-26           | Basin                 | survey             |                         |                     |         |
|                    | 14.32                               | 1429.42                                     | 868.19           | 57.53        | 58.48          | 1976-10-01           | Basin                 | survey             |                         |                     |         |
|                    | 14.32                               | 1429.42                                     | 864.82           | 57.84        | 58.67          | 1983-10-01           | Basin                 | survey             |                         |                     |         |
|                    | 14.32                               | 1429.41                                     | 863.17           | 57.37        | 57.88          | 1996-10-01           | Basin                 | survey             |                         |                     |         |
|                    | 14.32                               | 1429.41                                     | 862.49           | 56.99        | 57.34          | 2009-08-01           | Basin                 | survey             |                         |                     |         |
| Data               |                                     |                                             |                  |              |                | Data Period          |                       |                    |                         |                     |         |
|                    | 100.00                              | Level (Metres)                              |                  |              |                | 1949-11-26           | 2024-12-02            |                    |                         |                     |         |
|                    | 230.01                              | Level (m)                                   | East Coast       |              |                | 2007-08-30           | 2017-07-17            | 31% missing        |                         |                     |         |
|                    | 230.04                              | Level (m)                                   | HYDRAS 3         |              |                | 2005-03-03           | 2008-03-13            | 18% missing        |                         |                     |         |
|                    | 230.09                              | Level (m)                                   | Cello primary hg |              |                | 2012-09-10           | 2024-12-03            | 15% missing        |                         |                     |         |
| Components         |                                     |                                             |                  |              |                | Component            |                       | Period             |                         |                     |         |
|                    | 0514408                             | Bronkhorstspuit - Mun                       |                  |              |                | 1949-11-26           | 1976-09-25            |                    |                         |                     |         |
|                    | B3E002                              | Loskop Nat. Res. @ Loskop Dam               |                  |              |                | 1949-11-26           | 1958-02-05            |                    |                         |                     |         |
|                    | B2H010                              | Right Canal from Dam to River @ Tweefontein |                  |              |                | 1950-01-21           |                       |                    |                         |                     |         |
|                    | B2H011                              | Escom Pipeline @ Tweefontein                |                  |              |                | 1953-10-04           |                       |                    |                         |                     |         |
|                    | B3E003                              | Loskop Nat. Res. @ Loskop Dam               |                  |              |                | 1958-02-06           | 1967-09-25            |                    |                         |                     |         |
|                    | B2E001                              | Groenfontein @ Bronkhorstspuit Dam          |                  |              |                | 1967-09-26           |                       |                    |                         |                     |         |
|                    | B2H012                              | Festive Farms Pipeline @ Tweefontein        |                  |              |                | 1984-05-01           |                       |                    |                         |                     |         |
| B3R001             | Elands River @ Rust De Winter Natr. |                                             |                  |              |                | 25:14:02             | 28:31:03              | B31C               | 1133                    | Rust De Winter Dam  |         |
| FSL Parameters     | Gauge Plate                         | Reduced Level                               | Surface area     | Net capacity | Gross capacity |                      |                       |                    |                         |                     |         |
|                    | (m)                                 | (m)                                         | (ha)             | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |                     |         |
|                    | 17.94                               | 1035.10                                     | 492.54           | 29.13        | 29.87          | 1933-11-13           | Basin                 | survey             |                         |                     |         |
|                    | 17.94                               | 1035.10                                     | 492.54           | 28.18        | 28.62          | 1990-10-01           | Basin                 | survey             |                         |                     |         |
|                    | 17.94                               | 1035.10                                     | 492.82           | 28.19        | 28.60          | 2008-08-01           | Basin                 | survey             |                         |                     |         |
| Data               |                                     |                                             |                  |              |                | Data Period          |                       |                    |                         |                     |         |
|                    | 100.00                              | Level (Metres)                              |                  |              |                | 1933-11-13           | 2025-02-12            |                    |                         |                     |         |
|                    | 230.01                              | Level (m)                                   | East Coast       |              |                | 2009-04-01           | 2017-07-19            | 27% missing        |                         |                     |         |
|                    | 230.09                              | Level (m)                                   | Cello primary hg |              |                | 2012-09-07           | 2025-03-11            | 21% missing        |                         |                     |         |
| Components         |                                     |                                             |                  |              |                | Component            |                       | Period             |                         |                     |         |
|                    | 0551013                             | Rust Der Winter                             |                  |              |                | 1933-11-13           | 1953-05-01            |                    |                         |                     |         |
|                    | B3H013                              | Left Canal from Dam @ Rust De Winter Res.   |                  |              |                | 1934-06-01           |                       |                    |                         |                     |         |
|                    | B3H014                              | Elands River @ Rust De Winter Res.          |                  |              |                | 1935-06-18           |                       |                    |                         |                     |         |



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| Station        |                                   |                                                |              |                  | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description    | Page 19 |
|----------------|-----------------------------------|------------------------------------------------|--------------|------------------|----------------------|-----------------------|--------------------|-------------------------|----------------|---------|
| B3R001         | (continued)                       |                                                |              |                  |                      |                       |                    |                         |                |         |
|                | 0551103                           | Rus De Winter - Irr                            |              |                  |                      |                       | 1953-05-01         | 1965-09-30              |                |         |
|                | B3E004                            | Rust De Winter Res. @ Rust De Winter Dam       |              |                  |                      |                       | 1965-10-01         |                         |                |         |
| B3R002         | Olifants River @ Loskop Nat. Res. |                                                |              |                  | 25:25:05             | 29:21:32              | B32A               | 12250                   | Loskop Dam     |         |
| FSL Parameters | Gauge Plate                       | Reduced Level                                  | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                |         |
|                | (m)                               | (m)                                            | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                |         |
|                | 18.27                             | 992.61                                         | 1700.41      | 182.43           | 198.98               |                       | 1937-08-09         | Basin survey            |                |         |
|                | 18.27                             | 992.61                                         | 1682.49      | 176.16           | 189.15               |                       | 1976-10-01         | Basin survey            |                |         |
|                | 28.00                             | 1001.61                                        | 2427.90      | 361.47           | 374.46               |                       | 1978-12-09         | Basin survey            |                |         |
|                | 28.00                             | 1001.61                                        | 2427.70      | 361.51           | 374.31               |                       | 1990-10-01         | Basin survey            |                |         |
| Data           |                                   |                                                |              |                  |                      |                       | Data Period        |                         |                |         |
|                | 100.00                            | Level                                          | (Metres)     |                  |                      |                       | 1937-08-09         | 2024-12-04              |                |         |
|                | 230.01                            | Level                                          | (m)          | East Coast       |                      |                       | 2007-07-09         | 2017-03-26              | 21% missing    |         |
|                | 230.03                            | Level                                          | (m)          | ProDesign GPRS   |                      |                       | 2006-06-02         | 2007-07-09              |                |         |
|                | 230.09                            | Level                                          | (m)          | Cello primary hg |                      |                       | 2012-04-17         | 2025-01-14              | 16% missing    |         |
| Components     |                                   |                                                |              |                  |                      |                       | Component Period   |                         |                |         |
|                | B3E002                            | Loskop Nat. Res. @ Loskop Dam                  |              |                  |                      |                       | 1937-08-09         | 1958-02-05              |                |         |
|                | B3H015                            | Left Canal from Loskop Dam @ Loskop Nat. Res.  |              |                  |                      |                       | 1941-06-01         |                         |                |         |
|                | B3H016                            | Right Canal from Loskop Dam @ Loskop Nat. Res. |              |                  |                      |                       | 1941-06-01         |                         |                |         |
|                | B3E003                            | Loskop Nat. Res. @ Loskop Dam                  |              |                  |                      |                       | 1958-02-06         |                         |                |         |
|                | B3H017                            | Olifants River @ Loskop Nat. Res.              |              |                  |                      |                       | 1986-09-18         |                         |                |         |
| B3R003         | Bloed River @ Brakfontein         |                                                |              |                  | 25:17:34             | 29:39:07              | B32E               | 201                     | Rooikraal Dam  |         |
| FSL Parameters | Gauge Plate                       | Reduced Level                                  | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                |         |
|                | (m)                               | (m)                                            | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                |         |
|                | 4.27                              | 1180.79                                        | 47.40        | 1.01             | 1.02                 |                       | 1951-04-15         | Basin survey            |                |         |
|                | 5.18                              | 1181.70                                        | 65.26        | 1.54             | 1.54                 |                       | 1958-10-01         | Basin survey            |                |         |
|                | 5.18                              | 1181.70                                        | 60.95        | 1.05             | 1.05                 |                       | 1967-10-01         | Basin survey            |                |         |
|                | 6.69                              | 1183.21                                        | 87.27        | 2.19             | 2.19                 |                       | 1967-11-01         | Basin survey            |                |         |
|                | 6.69                              | 1183.21                                        | 89.70        | 2.12             | 2.12                 |                       | 1983-10-01         | Basin survey            |                |         |
| Data           |                                   |                                                |              |                  |                      |                       | Data Period        |                         |                |         |
|                | 100.00                            | Level                                          | (Metres)     |                  |                      |                       | 1951-04-15         | 1980-09-30              | 73% missing    |         |
| Components     |                                   |                                                |              |                  |                      |                       | Component Period   |                         |                |         |
|                | B3H018                            | Bloed River @ Brakfontein                      |              |                  |                      |                       | 1951-04-15         |                         |                |         |
| B3R004         | Selons River @ Roodepoort         |                                                |              |                  | 25:23:56             | 29:29:01              | B32B               | 606                     | Roodepoort Dam |         |
| FSL Parameters | Gauge Plate                       | Reduced Level                                  | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                |         |
|                | (m)                               | (m)                                            | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                |         |
|                | 11.58                             | 1041.10                                        | 0.00         | 0.00             | 0.00                 |                       | 1978-07-01         |                         |                |         |
| Data           |                                   |                                                |              |                  |                      |                       | Data Period        |                         |                |         |
|                | 100.00                            | Level                                          | (Metres)     |                  |                      |                       | 1979-07-18         | 1980-04-30              | 41% missing    |         |



| Station        |                                  |                                  |              |                  | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2                                                               | Description      | Page 20     |
|----------------|----------------------------------|----------------------------------|--------------|------------------|----------------------|-----------------------|--------------------|---------------------------------------------------------------------------------------|------------------|-------------|
| B3R004         | (continued)                      |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
| Components     |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | B3H019                           | Selons River @ Roodepoort        |              |                  |                      |                       |                    | Component Period<br>1979-07-18 1988-09-21                                             |                  |             |
| B3R005         | Elands River @ Rhenosterkop      |                                  |              |                  | 25:05:55             | 28:55:05              | B31F               | 3646                                                                                  | Rhenosterkop Dam |             |
| FSL Parameters | Gauge Plate                      | Reduced Level                    | Surface area | Net capacity     | Gross capacity       |                       |                    |                                                                                       |                  |             |
|                | (m)                              | (m)                              | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                                                                                       |                  |             |
|                | 16.50                            | 942.00                           | 3624.20      | 204.58           | 205.82               |                       |                    | 1983-11-05                                                                            | Basin survey     |             |
| Data           |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | 100.00                           | Level (Metres)                   |              |                  |                      |                       |                    | 1984-11-05                                                                            | 2025-02-12       | 1% missing  |
|                | 230.00                           | Level (m)                        |              | MeteoSat         |                      |                       |                    | 2010-01-01                                                                            | 2010-04-12       |             |
|                | 230.01                           | Level (m)                        |              | East Coast       |                      |                       |                    | 2009-04-02                                                                            | 2017-03-24       | 45% missing |
|                | 230.09                           | Level (m)                        |              | Cello primary hg |                      |                       |                    | 2012-11-19                                                                            | 2024-12-09       | 19% missing |
| Components     |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | B3H020                           | Elands River @ Rhenosterkop      |              |                  |                      |                       |                    | Component Period<br>1984-11-02 1984-12-01                                             |                  |             |
|                | B3E007                           | Rhenosterkop @ Rhenosterkop Dam  |              |                  |                      |                       |                    |                                                                                       |                  |             |
| B4R001         | Tonteldoos River @ Mapochsgronde |                                  |              |                  | 25:16:45             | 29:56:32              | B41C               | 55                                                                                    | Tonteldoos Dam   |             |
| FSL Parameters | Gauge Plate                      | Reduced Level                    | Surface area | Net capacity     | Gross capacity       |                       |                    |                                                                                       |                  |             |
|                | (m)                              | (m)                              | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                                                                                       |                  |             |
|                | 9.15                             | 1557.55                          | 4.50         | 0.18             | 0.18                 |                       |                    | 1962-08-24                                                                            | Basin survey     |             |
|                | 9.15                             | 1557.55                          | 4.50         | 0.17             | 0.17                 |                       |                    | 1979-10-01                                                                            | Basin survey     |             |
|                | 9.15                             | 1557.55                          | 4.70         | 0.19             | 0.19                 |                       |                    | 2000-10-01                                                                            | Basin survey     |             |
| Data           |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | 100.00                           | Level (Metres)                   |              |                  |                      |                       |                    | 1962-08-24                                                                            | 2025-01-27       |             |
|                | 101.73                           | Cor.Lev. (Metres)                |              |                  |                      |                       |                    | 2011-11-15                                                                            | 2015-05-17       | 70% missing |
|                | 230.01                           | Level (m)                        |              | East Coast       |                      |                       |                    | 2011-11-15                                                                            | 2017-07-20       | 66% missing |
|                | 230.09                           | Level (m)                        |              | Cello primary hg |                      |                       |                    | 2012-03-14                                                                            | 2025-02-03       | 13% missing |
| Components     |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | B4H016                           | Tonteldoos River @ Mapochsgronde |              |                  |                      |                       |                    | Component Period<br>1962-08-24 1962-08-24 1968-10-21 1968-10-22 1971-08-31 1971-09-01 |                  |             |
|                | B6E001                           | Rozenkranz @ Ohrigstaddamnatres  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | B4E002                           | Mapochsgronde @ Tonteldoos Dam   |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | B4E004                           | Roossenekal                      |              |                  |                      |                       |                    |                                                                                       |                  |             |
| B4R002         | Vlugkraal River @ Mapochsgronde  |                                  |              |                  | 25:13:53             | 29:56:56              | B41C               | 15                                                                                    | Vlugkraal Dam    |             |
| FSL Parameters | Gauge Plate                      | Reduced Level                    | Surface area | Net capacity     | Gross capacity       |                       |                    |                                                                                       |                  |             |
|                | (m)                              | (m)                              | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                                                                                       |                  |             |
|                | 9.45                             | 1528.58                          | 11.30        | 0.43             | 0.45                 |                       |                    | 1962-08-20                                                                            | Basin survey     |             |
|                | 9.45                             | 1528.58                          | 12.20        | 0.45             | 0.46                 |                       |                    | 1979-10-01                                                                            | Basin survey     |             |
|                | 9.45                             | 1528.58                          | 12.40        | 0.44             | 0.44                 |                       |                    | 2001-10-01                                                                            | Basin survey     |             |
| Data           |                                  |                                  |              |                  |                      |                       |                    |                                                                                       |                  |             |
|                | 100.00                           | Level (Metres)                   |              |                  |                      |                       |                    | 1962-08-20                                                                            | 2025-01-27       |             |
|                | 230.01                           | Level (m)                        |              | East Coast       |                      |                       |                    | 2011-11-24                                                                            | 2017-07-20       | 21% missing |



| Station        |                                                         |                                     |                  |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description      | Page 21 |
|----------------|---------------------------------------------------------|-------------------------------------|------------------|--------------|----------------------|-----------------------|--------------------|-------------------------|------------------|---------|
| B4R002         | (continued)                                             |                                     |                  |              |                      |                       |                    |                         |                  |         |
|                | 230.09                                                  | Level (m)                           | Cello primary hg |              |                      |                       | 2012-04-03         | 2025-02-04              | 20% missing      |         |
| Components     |                                                         |                                     |                  |              |                      |                       | Component          | Period                  |                  |         |
|                | B4H017                                                  | Vlugkraal River @ Mapochsgronde     |                  |              |                      |                       | 1962-08-20         |                         |                  |         |
|                | B6E001                                                  | Rozenkranz @ Ohrigstaddamnatres     |                  |              |                      |                       | 1962-08-20         | 1968-10-22              |                  |         |
|                | B4E002                                                  | Mapochsgronde @ Tonteldoos Dam      |                  |              |                      |                       | 1968-10-22         | 1971-09-01              |                  |         |
|                | B4E004                                                  | Roossenekal                         |                  |              |                      |                       | 1971-09-01         |                         |                  |         |
| B4R003         | Masala River @ Steynsdrift                              |                                     |                  |              | 25:06:12             | 29:52:49              | B41C               | 303                     | Mapochs Dam      |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                       | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |         |
|                | (m)                                                     | (m)                                 | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |         |
|                | 12.96                                                   | 1082.88                             | 7.60             | 0.51         | 0.53                 |                       | 1968-10-19         | Basin survey            |                  |         |
| Components     |                                                         |                                     |                  |              |                      |                       | Component          | Period                  |                  |         |
|                | B4H018                                                  | Malanslaerloop @ Zwartkop           |                  |              |                      |                       | 1968-10-19         | 1968-10-20              |                  |         |
|                | B4H019                                                  | Pipeline For Industry @ Steynsdrift |                  |              |                      |                       | 1968-10-19         | 1968-10-20              |                  |         |
|                | B4H020                                                  | Masala River @ Steynsdrift          |                  |              |                      |                       | 1968-10-19         | 1968-10-20              |                  |         |
| B4R004         | Waterval River @ Buffelskloof                           |                                     |                  |              | 24:57:19             | 30:15:56              | B42F               | 281                     | Buffelskloof Dam |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                       | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |         |
|                | (m)                                                     | (m)                                 | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |         |
|                | 22.38                                                   | 1286.84                             | 60.86            | 5.42         | 5.49                 |                       | 1972-04-01         | Basin survey            |                  |         |
|                | 22.38                                                   | 1286.84                             | 60.66            | 5.33         | 5.38                 |                       | 1987-10-01         | Basin survey            |                  |         |
|                | 22.38                                                   | 1286.84                             | 60.63            | 5.24         | 5.28                 |                       | 2002-10-01         | Basin survey            |                  |         |
| Data           |                                                         |                                     |                  |              |                      |                       | Data               | Period                  |                  |         |
|                | 100.00                                                  | Level (Metres)                      |                  |              |                      |                       | 1972-04-01         | 2025-01-27              |                  |         |
|                | 230.01                                                  | Level (m)                           | East Coast       |              |                      |                       | 2009-05-21         | 2013-06-19              | 13% missing      |         |
|                | 230.09                                                  | Level (m)                           | Cello primary hg |              |                      |                       | 2014-11-13         | 2025-02-04              | 16% missing      |         |
| Components     |                                                         |                                     |                  |              |                      |                       | Component          | Period                  |                  |         |
|                | B4E001                                                  | Lydenburg                           |                  |              |                      |                       | 1972-04-01         | 1972-06-30              |                  |         |
|                | B4E003                                                  | Buffelskloof @ Buffelskloof Dam     |                  |              |                      |                       | 1972-07-01         |                         |                  |         |
|                | B4H021                                                  | Waterval River @ Buffelskloof       |                  |              |                      |                       | 1972-07-03         |                         |                  |         |
| B4R005         | Spitskop Spruit @ Farm Spitskop 874                     |                                     |                  |              | 24:59:57             | 29:48:14              | B41E               | 35                      | Spitskop Dam     |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                       | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |         |
|                | (m)                                                     | (m)                                 | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |         |
|                | 7.40                                                    | 1444.56                             | 15.94            | 0.54         | 0.54                 |                       | 2007-03-30         | Basin survey            |                  |         |
| B4R006         | Shakwaneng River @ Farm Steelpoortdrift (Dr Eiselen Dam |                                     |                  |              | 24:52:08             | 29:58:33              | B41H               | 42                      | Dr Eiselen Dam   |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                       | Surface area     | Net capacity | Gross capacity       |                       |                    |                         |                  |         |
|                | (m)                                                     | (m)                                 | (ha)             | (mill m**3)  | (mill m**3)          |                       |                    |                         |                  |         |
|                | 21.74                                                   | 958.73                              | 17.98            | 0.73         | 0.73                 |                       | 2007-03-30         | Basin survey            |                  |         |



| Station        |                                                         |                                                     |              |                  | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page 22 |
|----------------|---------------------------------------------------------|-----------------------------------------------------|--------------|------------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|---------|
| B4R007         | Steelpoort River @ De Hoop Dam                          |                                                     |              |                  | 24:57:28             | 29:57:26              | B41E               | 2863                    | De Hoop Dam       |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                                       | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                                     | (m)                                                 | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                   |         |
|                | 51.00                                                   | 915.00                                              | 1694.69      | 348.70           | 351.43               |                       | 2013-01-01         | Basin survey            |                   |         |
| Data           |                                                         |                                                     |              |                  |                      |                       |                    |                         | Data Period       |         |
|                | 100.00                                                  | Level                                               | (Metres)     |                  |                      |                       | 2013-01-01         | 2025-01-27              | 2% missing        |         |
|                | 230.01                                                  | Level                                               | (m)          | East Coast       |                      |                       | 2016-10-18         | 2017-04-16              | 18% missing       |         |
|                | 230.09                                                  | Level                                               | (m)          | Cello primary hg |                      |                       | 2014-09-29         | 2025-02-04              | 16% missing       |         |
| B5R001         | Klaver valley River @ Klaver valley                     |                                                     |              |                  | 24:37:06             | 29:02:16              | B51C               | 0                       | Klaver valley Dam |         |
| Components     |                                                         |                                                     |              |                  |                      |                       |                    |                         | Component Period  |         |
|                | B5E003                                                  | Klaver valley @ Klaver valley Dam                   |              |                  |                      |                       |                    |                         | 1980-10-15        |         |
| B5R002         | Olifants River @ Flag Boshielo                          |                                                     |              |                  | 24:46:50             | 29:25:33              | B51B               | 23555                   | Flag Boshielo Dam |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                                       | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                                     | (m)                                                 | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                   |         |
|                | 17.01                                                   | 817.00                                              | 1292.10      | 98.83            | 103.38               |                       | 1987-06-30         | Basin survey            |                   |         |
|                | 17.01                                                   | 817.00                                              | 1287.70      | 98.99            | 103.96               |                       | 1996-10-01         | Basin survey            |                   |         |
|                | 22.10                                                   | 822.09                                              | 2205.24      | 185.13           | 190.10               |                       | 2006-01-01         | Dam wall raised         |                   |         |
| Data           |                                                         |                                                     |              |                  |                      |                       |                    |                         | Data Period       |         |
|                | 100.00                                                  | Level                                               | (Metres)     |                  |                      |                       | 1987-06-30         | 2024-12-06              | 3% missing        |         |
|                | 230.09                                                  | Level                                               | (m)          | Cello primary hg |                      |                       | 2012-04-03         | 2025-01-14              | 12% missing       |         |
| Components     |                                                         |                                                     |              |                  |                      |                       |                    |                         | Component Period  |         |
|                | B5H003                                                  | Pipeline from Dam to Treatment Works @ Tambotieboom |              |                  |                      |                       |                    |                         | 1987-06-30        |         |
|                | B5H004                                                  | Olifants River @ Tambotieboom                       |              |                  |                      |                       |                    |                         | 1987-09-24        |         |
|                | B5E004                                                  | Tambotieboom @ Arabie Dam                           |              |                  |                      |                       |                    |                         | 1988-06-16        |         |
|                | B5H005                                                  | Pipeline from Dam to Treatment Works @ Tambotieboom |              |                  |                      |                       |                    |                         | 1998-09-01        |         |
| B5R003         | Motsephili River @ Lola Montes 682 KS (Lola Montes Dam) |                                                     |              |                  | 24:49:08             | 29:29:24              | B51B               | 328                     | Lola Montes Dam   |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                                       | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                                     | (m)                                                 | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                   |         |
|                | 10.71                                                   | 918.67                                              | 23.27        | 1.18             | 1.19                 |                       | 2007-03-30         | Basin survey            |                   |         |
| B5R004         | Makotswane River @ Farm Coetseesdraai 641 KS            |                                                     |              |                  | 24:44:48             | 29:27:28              | B51C               | 0                       | Buffelsdoorn Dam  |         |
| FSL Parameters | Gauge Plate                                             | Reduced Level                                       | Surface area | Net capacity     | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                                     | (m)                                                 | (ha)         | (mill m**3)      | (mill m**3)          |                       |                    |                         |                   |         |
|                | 18.18                                                   | 845.53                                              | 59.11        | 3.48             | 3.48                 |                       | 2007-03-30         | Basin survey            |                   |         |
| B5R005         | Ngwaritsi River @ Jane Furse (Vergelegen Dam)           |                                                     |              |                  | 24:47:45             | 29:50:30              | B51H               | 208                     | Vergelegen Dam    |         |



| Station        |                                                         |                      |                       |                             | Latitude<br>dd:mm:ss          | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description | Page 23 |
|----------------|---------------------------------------------------------|----------------------|-----------------------|-----------------------------|-------------------------------|-----------------------|--------------------|-------------------------|-------------|---------|
| B5R005         | (continued)                                             |                      |                       |                             |                               |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate<br>(m)                                      | Reduced Level<br>(m) | Surface area<br>(ha)  | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |             |         |
|                | 8.73                                                    | 1296.13              | 40.41                 | 1.40                        | 1.40                          |                       | 2007-03-30         | Basin                   | survey      |         |
| B5R006         | Ngwaritsi River @ Farm Nooitverwaght (Piet Gouws Dam)   |                      |                       |                             |                               |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate<br>(m)                                      | Reduced Level<br>(m) | Surface area<br>(ha)  | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |             |         |
|                | 16.46                                                   | 849.56               | 92.14                 | 3.92                        | 3.93                          |                       | 2007-03-30         | Basin                   | survey      |         |
| Data           |                                                         |                      |                       |                             |                               |                       | Data Period        |                         |             |         |
|                | 100.00                                                  | Level                | (Metres)              |                             |                               |                       | 2009-11-23         | 2015-10-16              | 50% missing |         |
|                | 230.01                                                  | Level                | (m)                   | East Coast                  |                               |                       | 2009-11-23         | 2015-11-06              | 53% missing |         |
| B5R007         | Chunie River @ R37 (Burgersfort Road)(Chuniespoort Dam) |                      |                       |                             |                               |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate<br>(m)                                      | Reduced Level<br>(m) | Surface area<br>(ha)  | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |             |         |
|                | 11.64                                                   | 1145.14              | 61.22                 | 2.47                        | 2.47                          |                       | 2007-03-30         | Basin                   | survey      |         |
| B5R008         | Tlhabasane @ Molepo Dam                                 |                      |                       |                             |                               |                       |                    |                         |             |         |
|                |                                                         |                      |                       |                             |                               | 24:01:12 29:46:17     | B52H               | 257                     | Molepo Dam  |         |
| B6R001         | Ohrigstad River @ Naauwpoort Ohrigstaddamnatres         |                      |                       |                             |                               |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate<br>(m)                                      | Reduced Level<br>(m) | Surface area<br>(ha)  | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |             |         |
|                | 24.35                                                   | 1377.27              | 94.20                 | 12.34                       | 12.89                         |                       | 1956-05-01         | Basin                   | survey      |         |
|                | 24.35                                                   | 1377.27              | 100.00                | 13.55                       | 14.44                         |                       | 1979-10-01         | Basin                   | survey      |         |
|                | 24.35                                                   | 1377.27              | 100.50                | 13.52                       | 14.42                         |                       | 1990-10-01         | Basin                   | survey      |         |
|                | 24.35                                                   | 1377.27              | 99.16                 | 13.45                       | 14.22                         |                       | 2002-10-01         | Basin                   | survey      |         |
| Data           |                                                         |                      |                       |                             |                               |                       | Data Period        |                         |             |         |
|                | 100.00                                                  | Level                | (Metres)              |                             |                               |                       | 1956-05-01         | 2025-01-28              | 1% missing  |         |
|                | 230.01                                                  | Level                | (m)                   | East Coast                  |                               |                       | 2011-06-14         | 2013-06-19              | 8% missing  |         |
| Components     |                                                         |                      |                       |                             |                               |                       | Component Period   |                         |             |         |
|                | B6E001                                                  | Rozenkranz           | @ Ohrigstaddamnatres  |                             |                               |                       | 1956-05-01         |                         |             |         |
|                | B6H012                                                  | Ohrigstad River      | @ Naauwpoort          |                             |                               |                       | 1957-02-22         |                         |             |         |
|                | B6H011                                                  | Ohrigstad River      | @ Naauwpoort          |                             |                               |                       | 1962-08-28         |                         |             |         |
|                | B6H013                                                  | Left Canal           | from Dam @ Naauwpoort |                             |                               |                       | 1971-05-01         |                         |             |         |
| B6R003         | Blyde River @ Blyderivierpoort Res                      |                      |                       |                             |                               |                       |                    |                         |             |         |
| FSL Parameters | Gauge Plate<br>(m)                                      | Reduced Level<br>(m) | Surface area<br>(ha)  | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |             |         |
|                | 44.83                                                   | 664.56               | 248.70                | 55.09                       | 55.97                         |                       | 1975-01-27         | Basin                   | survey      |         |
|                | 44.83                                                   | 664.56               | 247.41                | 55.17                       | 56.06                         |                       | 1979-10-01         | Basin                   | survey      |         |



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| Station        |                               |                                |                      |                  | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description        | Page 24 |
|----------------|-------------------------------|--------------------------------|----------------------|------------------|----------------------|-----------------------|--------------------|-------------------------|--------------------|---------|
| B6R003         | (continued)                   | 44.83                          | 664.56               | 249.40           | 54.37                | 55.09                 | 1998-10-01         | Basin                   | survey             |         |
| Data           |                               |                                |                      |                  |                      |                       | Data Period        |                         |                    |         |
|                | 100.00                        | Level                          | (Metres)             |                  |                      |                       | 1975-01-27         | 2025-01-30              |                    |         |
|                | 230.01                        | Level                          | (m)                  | East Coast       |                      |                       | 2007-05-26         | 2017-07-20              | 7% missing         |         |
|                | 230.03                        | Level                          | (m)                  | ProDesign GPRS   |                      |                       | 2005-07-18         | 2007-03-07              |                    |         |
|                | 230.04                        | Level                          | (m)                  | HYDRAS 3         |                      |                       | 2006-03-04         | 2007-08-14              |                    |         |
|                | 230.09                        | Level                          | (m)                  | Cello primary hg |                      |                       | 2017-09-18         | 2025-02-04              | 10% missing        |         |
| Components     |                               |                                |                      |                  |                      |                       | Component Period   |                         |                    |         |
|                | B6E003                        | Blyderiv.Poortnatres           | @ Blyderiv.Poort     | Dam              |                      |                       | 1975-01-27         |                         |                    |         |
|                | B6H015                        | Pipeline from Dam @            | Blyderiv.Poortnatres |                  |                      |                       | 1980-06-11         |                         |                    |         |
|                | B6H014                        | Blyde River @ Driehoek         |                      |                  |                      |                       | 1989-01-31         |                         |                    |         |
| B7R001         | Klaserie River @ Fleur De Lys |                                |                      |                  | 24:31:26             | 31:04:15              | B73A               | 164                     | Klaserie Dam       |         |
| FSL Parameters | Gauge Plate                   | Reduced Level                  | Surface area         | Net capacity     | Gross capacity       |                       |                    |                         |                    |         |
|                | (m)                           | (m)                            | (ha)                 | (mill m**3)      | (mill m**3)          |                       |                    |                         |                    |         |
|                | 10.65                         | 538.00                         | 78.70                | 3.25             | 3.28                 |                       | 1961-09-01         | Basin                   | survey             |         |
|                | 13.69                         | 541.04                         | 119.80               | 6.22             | 6.25                 |                       | 1968-04-01         |                         |                    |         |
|                | 13.69                         | 541.04                         | 118.80               | 5.76             | 5.78                 |                       | 1979-10-01         | Basin                   | survey             |         |
|                | 13.69                         | 541.04                         | 118.00               | 5.60             | 5.61                 |                       | 2001-10-01         | Basin                   | survey             |         |
| Data           |                               |                                |                      |                  |                      |                       | Data Period        |                         |                    |         |
|                | 100.00                        | Level                          | (Metres)             |                  |                      |                       | 1961-09-01         | 2025-01-28              | 1% missing         |         |
|                | 230.03                        | Level                          | (m)                  | ProDesign GPRS   |                      |                       | 2011-06-13         | 2012-01-27              | 7% missing         |         |
|                | 230.09                        | Level                          | (m)                  | Cello primary hg |                      |                       | 2011-06-13         | 2025-02-04              | 18% missing        |         |
| Components     |                               |                                |                      |                  |                      |                       | Component Period   |                         |                    |         |
|                | B7E001                        | Fleur De Lys @ Klaserie        | Dam                  |                  |                      |                       | 1961-09-01         | 1962-06-30              |                    |         |
|                | B7H024                        | Right Canal from Dam to River  | @ Fleur De Lys       |                  |                      |                       | 1961-09-01         |                         |                    |         |
|                | B7H022                        | Left Upstream Canal @ Fleur    | De Lys               |                  |                      |                       | 1961-09-07         |                         |                    |         |
|                | B7E002                        | Wegsteek @ Phalaborwa-Station  |                      |                  |                      |                       | 1962-07-01         | 1963-10-22              |                    |         |
|                | B7E003                        | Guernsey @ Klaserie            | Dam                  |                  |                      |                       | 1963-10-23         |                         |                    |         |
| B7R002         | Olifants River @ Sheila       |                                |                      |                  | 24:04:12             | 31:08:45              | B72D               | 47485                   | Phalaborwa Barrage |         |
| FSL Parameters | Gauge Plate                   | Reduced Level                  | Surface area         | Net capacity     | Gross capacity       |                       |                    |                         |                    |         |
|                | (m)                           | (m)                            | (ha)                 | (mill m**3)      | (mill m**3)          |                       |                    |                         |                    |         |
|                | 7.24                          | 309.14                         | 173.31               | 5.40             | 5.46                 |                       | 1800-01-01         | Basin                   | survey             |         |
|                | 7.24                          | 309.14                         | 196.30               | 8.82             | 10.19                |                       | 1966-04-01         | Basin                   | survey             |         |
|                | 7.24                          | 309.14                         | 196.06               | 8.98             | 10.59                |                       | 1995-10-01         | Basin                   | survey             |         |
| Data           |                               |                                |                      |                  |                      |                       | Data Period        |                         |                    |         |
|                | 100.00                        | Level                          | (Metres)             |                  |                      |                       | 1966-04-01         | 2005-06-30              | 1% missing         |         |
|                | 149.00                        | Combined                       | (cumeecs)            |                  |                      |                       | 1966-05-01         | 2005-07-01              | 1% missing         |         |
| Components     |                               |                                |                      |                  |                      |                       | Component Period   |                         |                    |         |
|                | 0681209                       | Phalaborwa                     |                      |                  |                      |                       | 1966-05-01         | 1967-01-31              |                    |         |
|                | B7E003                        | Guernsey @ Klaserie            | Dam                  |                  |                      |                       | 1966-05-01         | 1967-01-31              |                    |         |
|                | B7H021                        | Pipeline to Purification Works | @ Sheila             |                  |                      |                       | 1966-05-01         |                         |                    |         |
|                | B7E004                        | Sheila @ Phalaborwa            | Barrage              |                  |                      |                       | 1967-02-01         |                         |                    |         |



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| Station        |                                 |                                              |              |                | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page | 25 |  |
|----------------|---------------------------------|----------------------------------------------|--------------|----------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|------|----|--|
| B7R003         | Ngwabitsi River @ Tours         |                                              |              |                | 24:05:55             | 30:15:18              | B72E               | 45                      | Tours Dam         |      |    |  |
| FSL Parameters | Gauge Plate                     | Reduced Level                                | Surface area | Net capacity   | Gross capacity       |                       |                    |                         |                   |      |    |  |
|                | (m)                             | (m)                                          | (ha)         | (mill m**3)    | (mill m**3)          |                       |                    |                         |                   |      |    |  |
|                | 19.40                           | 780.50                                       | 56.30        | 5.57           | 5.58                 |                       | 1992-08-07         | Basin                   | survey            |      |    |  |
|                | 19.40                           | 780.50                                       | 59.22        | 6.08           | 6.14                 |                       | 2007-03-30         | Basin                   | survey            |      |    |  |
| Data           |                                 |                                              |              |                |                      |                       | Data Period        |                         |                   |      |    |  |
|                | 100.00                          | Level                                        | (Metres)     |                |                      |                       | 1992-08-07         | 2025-01-30              | 9% missing        |      |    |  |
|                | 230.03                          | Level (m)                                    |              | ProDesign      | GPRS                 |                       | 2011-11-25         | 2012-01-09              | 8% missing        |      |    |  |
|                | 230.09                          | Level (m)                                    |              | Cello          | primary              | hg                    | 2011-11-25         | 2025-02-04              | 22% missing       |      |    |  |
| Components     |                                 |                                              |              |                |                      |                       | Component Period   |                         |                   |      |    |  |
|                | B7H002                          | Ngwabitsi River @ Tours                      |              |                |                      |                       |                    | 1960-07-31              |                   |      |    |  |
|                | B7E006                          | Tours @ Tours Dam                            |              |                |                      |                       |                    | 1992-08-07              |                   |      |    |  |
|                | B7H025                          | Pipeline from Dam Compensation Water @ Tours |              |                |                      |                       |                    | 1992-08-07              |                   |      |    |  |
| B8R001         | Groot-Letaba River @ Onverwacht |                                              |              |                | 23:56:29             | 29:59:05              | B81A               | 166                     | Ebenezer Dam      |      |    |  |
| FSL Parameters | Gauge Plate                     | Reduced Level                                | Surface area | Net capacity   | Gross capacity       |                       |                    |                         |                   |      |    |  |
|                | (m)                             | (m)                                          | (ha)         | (mill m**3)    | (mill m**3)          |                       |                    |                         |                   |      |    |  |
|                | 35.05                           | 1353.55                                      | 386.10       | 69.58          | 70.72                |                       | 1959-06-07         | Basin                   | survey            |      |    |  |
|                | 35.05                           | 1353.55                                      | 386.10       | 69.14          | 70.02                |                       | 1985-10-01         | Basin                   | survey            |      |    |  |
| Data           |                                 |                                              |              |                |                      |                       | Data Period        |                         |                   |      |    |  |
|                | 10.59                           | Rainfall                                     | (mm.)        | CELLO_RAIN     |                      |                       | 2015-01-02         | 2017-09-18              |                   |      |    |  |
|                | 100.00                          | Level                                        | (Metres)     |                |                      |                       | 1959-06-07         | 2025-01-28              |                   |      |    |  |
|                | 230.09                          | Level (m)                                    |              | CELLO_UP_LEVEL |                      |                       | 2013-03-19         | 2025-01-28              | 32% missing       |      |    |  |
|                | 230.15                          | Level (m)                                    |              | Cello          | backup               | hg                    | 2022-02-08         | 2025-01-28              | 33% missing       |      |    |  |
| Components     |                                 |                                              |              |                |                      |                       | Component Period   |                         |                   |      |    |  |
|                | 0678836                         | Glenshiel                                    |              |                |                      |                       |                    | 1959-06-07              | 1960-07-06        |      |    |  |
|                | A7E003                          | Pietersburg                                  |              |                |                      |                       |                    | 1959-06-07              | 1960-07-06        |      |    |  |
|                | B8H039                          | Great Sluice (Right) @ Onverwacht            |              |                |                      |                       |                    | 1959-06-07              |                   |      |    |  |
|                | B8H041                          | Little Sluice (Left) @ Onverwacht            |              |                |                      |                       |                    | 1959-06-07              |                   |      |    |  |
|                | B8H064                          | Great-Letaba River @ Onverwacht              |              |                |                      |                       |                    | 1960-04-01              |                   |      |    |  |
|                | B8E001                          | Onverwacht @ Ebenezer Dam                    |              |                |                      |                       |                    | 1960-07-07              |                   |      |    |  |
|                | B8H040                          | Pipeline to Treatment Works @ Onverwacht     |              |                |                      |                       |                    | 1974-08-01              |                   |      |    |  |
| B8R002         | Ramadiepa River @ Waterval      |                                              |              |                | 23:44:58             | 30:06:29              | B81B               | 86                      | Hans Merensky Dam |      |    |  |
| FSL Parameters | Gauge Plate                     | Reduced Level                                | Surface area | Net capacity   | Gross capacity       |                       |                    |                         |                   |      |    |  |
|                | (m)                             | (m)                                          | (ha)         | (mill m**3)    | (mill m**3)          |                       |                    |                         |                   |      |    |  |
|                | 2.01                            | 798.28                                       | 43.60        | 1.45           | 1.47                 |                       | 1977-06-25         | Basin                   | survey            |      |    |  |
|                | 2.01                            | 798.28                                       | 48.40        | 1.22           | 1.23                 |                       | 1987-10-01         | Basin                   | survey            |      |    |  |
| Data           |                                 |                                              |              |                |                      |                       | Data Period        |                         |                   |      |    |  |
|                | 100.00                          | Level                                        | (Metres)     |                |                      |                       | 1977-06-25         | 2025-02-17              |                   |      |    |  |
|                | 230.09                          | Level (m)                                    |              | CELLO_UP_LEVEL |                      |                       | 2016-03-15         | 2025-02-17              | 25% missing       |      |    |  |
|                | 230.15                          | Level (m)                                    |              | Cello          | backup               | hg                    | 2023-11-07         | 2025-02-17              | 20% missing       |      |    |  |



| Station        |                                                   |                                                     |                     |              | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page 26 |
|----------------|---------------------------------------------------|-----------------------------------------------------|---------------------|--------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|---------|
| B8R002         | (continued)                                       |                                                     |                     |              |                      |                       |                    |                         |                   |         |
| Components     |                                                   |                                                     |                     |              |                      |                       | Component          | Period                  |                   |         |
|                | B8H042                                            | Politsi Pipeline @ Waterval                         |                     |              |                      |                       | 1977-06-25         |                         |                   |         |
|                | B8H043                                            | Ramadiepa River @ Waterval                          |                     |              |                      |                       | 1977-07-01         | 1980-05-28              |                   |         |
|                | B8H044                                            | Left Canal from Dam @ Waterval                      |                     |              |                      |                       | 1977-07-22         | 1980-05-28              |                   |         |
| B8R003         | Politsi River @ Turksvygbult                      |                                                     |                     |              | 23:49:02             | 30:03:21              | B81B               | 66                      | Magoebaskloof Dam |         |
| FSL Parameters | Gauge Plate                                       | Reduced Level                                       | Surface area        | Net capacity | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                               | (m)                                                 | (ha)                | (mill m**3)  | (mill m**3)          |                       |                    |                         |                   |         |
|                | 30.22                                             | 838.92                                              | 45.20               | 5.01         | 5.02                 |                       | 1971-06-01         | Basin survey            |                   |         |
|                | 30.22                                             | 838.92                                              | 45.20               | 4.92         | 4.92                 |                       | 1986-10-01         | Basin survey            |                   |         |
|                | 30.22                                             | 838.92                                              | 44.30               | 4.84         | 4.84                 |                       | 1999-10-01         | Basin survey            |                   |         |
| Data           |                                                   |                                                     |                     |              |                      |                       | Data Period        |                         |                   |         |
|                | 10.55                                             | Rainfall (mm.)                                      | HYDRAS 3 (realtime) |              |                      |                       | 2019-03-12         | 2022-02-17              | 2% missing        |         |
|                | 10.59                                             | Rainfall (mm.)                                      | NETDL_RAIN          |              |                      |                       | 2015-01-01         | 2017-09-18              |                   |         |
|                | 100.00                                            | Level (Metres)                                      |                     |              |                      |                       | 1971-06-01         | 2025-02-17              |                   |         |
|                | 230.04                                            | Level (m)                                           | HYDRAS 3            |              |                      |                       | 2020-01-25         | 2022-02-17              | 7% missing        |         |
|                | 230.09                                            | Level (m)                                           | NETDL_UP_LEVEL_1    |              |                      |                       | 2012-10-02         | 2025-02-17              | 41% missing       |         |
|                | 230.15                                            | Level (m)                                           | Cello backup hg     |              |                      |                       | 2023-11-20         | 2024-02-12              |                   |         |
| Components     |                                                   |                                                     |                     |              |                      |                       | Component          | Period                  |                   |         |
|                | 0679139                                           | Middelkop - Bos                                     |                     |              |                      |                       | 1971-06-01         | 1976-06-30              |                   |         |
|                | B8E001                                            | Onverwacht @ Ebenezer Dam                           |                     |              |                      |                       | 1971-06-01         | 1976-06-30              |                   |         |
|                | B8H045                                            | Left Canal from Dam @ Turksvygbult                  |                     |              |                      |                       | 1971-07-01         |                         |                   |         |
|                | B8H046                                            | Politsi River @ Turksvygbult                        |                     |              |                      |                       | 1976-06-29         |                         |                   |         |
|                | B8E005                                            | Turksvygbult @ Magoebaskloof Dam                    |                     |              |                      |                       | 1976-07-01         |                         |                   |         |
|                | B8H065                                            | Sapekoe Pipeline @ Magoebaskloof Dam                |                     |              |                      |                       | 1993-08-09         |                         |                   |         |
| B8R004         | Tributary of Politsi River @ Grenshoek Forest Res |                                                     |                     |              | 23:46:29             | 30:04:54              | B81B               | 10                      | Vergelegen Dam    |         |
| FSL Parameters | Gauge Plate                                       | Reduced Level                                       | Surface area        | Net capacity | Gross capacity       |                       |                    |                         |                   |         |
|                | (m)                                               | (m)                                                 | (ha)                | (mill m**3)  | (mill m**3)          |                       |                    |                         |                   |         |
|                | 2.00                                              | 797.66                                              | 8.30                | 0.25         | 0.28                 |                       | 1977-05-03         | Basin survey            |                   |         |
| Data           |                                                   |                                                     |                     |              |                      |                       | Data Period        |                         |                   |         |
|                | 10.59                                             | Rainfall (mm.)                                      | CELLO_RAIN          |              |                      |                       | 2015-01-01         | 2017-01-08              |                   |         |
|                | 100.00                                            | Level (Metres)                                      |                     |              |                      |                       | 1977-05-25         | 2025-01-28              | 1% missing        |         |
|                | 230.01                                            | Level (m)                                           | Realtime            |              |                      |                       | 2005-04-23         | 2015-12-08              | 47% missing       |         |
|                | 230.09                                            | Level (m)                                           | CELLO_UP_LEVEL      |              |                      |                       | 2013-08-12         | 2025-01-28              | 59% missing       |         |
|                | 230.15                                            | Level (m)                                           | Cello backup hg     |              |                      |                       | 2023-11-09         | 2025-01-28              | 28% missing       |         |
|                | 815.70                                            | Temp (Deg C)                                        | Raw logger data     |              |                      |                       | 2018-11-11         | 2025-01-28              | 10% missing       |         |
|                | 821.70                                            | Conduct. (Specific)                                 | Raw logger data     |              |                      |                       | 2020-10-09         | 2021-09-07              |                   |         |
| Components     |                                                   |                                                     |                     |              |                      |                       | Component          | Period                  |                   |         |
|                | B8H058                                            | Pipeline to Treatment Works @ Grenshoek Forest Res  |                     |              |                      |                       | 1977-07-03         | 1997-07-03              |                   |         |
|                | B8H047                                            | Canal from Magoebaskloof Dam @ Grenshoek Forest Res |                     |              |                      |                       | 1981-01-15         |                         |                   |         |



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| Station                                             |             |                                                |                          |              |                | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description   | Page 27 |
|-----------------------------------------------------|-------------|------------------------------------------------|--------------------------|--------------|----------------|----------------------|-----------------------|--------------------|-------------------------|---------------|---------|
| B8R005 Groot-Letaba River @ Doornhoek (Tzaneen Dam) |             |                                                |                          |              |                | 23:47:57             | 30:09:59              | B81B               | 650                     | Tzaneen Dam   |         |
| FSL Parameters                                      | Gauge Plate | Reduced Level                                  | Surface area             | Net capacity | Gross capacity |                      |                       |                    |                         |               |         |
|                                                     | (m)         | (m)                                            | (ha)                     | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |               |         |
|                                                     | 29.41       | 723.97                                         | 1163.70                  | 157.97       | 159.59         |                      |                       |                    |                         |               |         |
|                                                     | 29.41       | 723.97                                         | 1163.60                  | 156.53       | 157.29         |                      |                       |                    |                         |               |         |
|                                                     | 25.20       | 719.76                                         | 940.39                   | 114.28       | 115.04         |                      |                       |                    |                         |               |         |
|                                                     |             |                                                |                          |              |                | 1977-01-25           |                       |                    | Basin survey            |               |         |
|                                                     |             |                                                |                          |              |                | 1990-10-01           |                       |                    | Basin survey            |               |         |
|                                                     |             |                                                |                          |              |                | 2019-06-01           |                       |                    | Dam wall lowered        |               |         |
| Data                                                |             |                                                |                          |              |                | Data Period          |                       |                    |                         |               |         |
|                                                     | 10.02       | Rainfall (mm.)                                 | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 10.54       | Rainfall (mm.)                                 | East Coast (realtime)    |              |                | 2008-07-18           |                       | 2011-02-08         | 51%                     | missing       |         |
|                                                     | 10.55       | Rainfall (mm.)                                 | HYDRAS 3 (realtime)      |              |                | 2019-03-05           |                       | 2023-09-20         | 36%                     | missing       |         |
|                                                     | 10.61       | Rainfall (mm.)                                 | 4 WATER Cello (realtime) |              |                | 2016-09-26           |                       | 2017-09-18         | 72%                     | missing       |         |
|                                                     | 100.00      | Level (Metres)                                 |                          |              |                | 1977-01-25           |                       | 2024-03-11         |                         |               |         |
|                                                     | 20.02       | Rainfall Intensity                             | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 2058.02     | THW                                            | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 21%                     | missing       |         |
|                                                     | 2059.02     | THW                                            | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 21%                     | missing       |         |
|                                                     | 2065.02     | Air Temperature (°)                            | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 2066.02     | Maximum Air Temperat                           | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 2067.02     | Minimum Air Temperat                           | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 2069.02     | Dew Point (°)                                  | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 21%                     | missing       |         |
|                                                     | 2096.02     | Out Hum                                        | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 21%                     | missing       |         |
|                                                     | 2099.02     | HI                                             | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 21%                     | missing       |         |
|                                                     | 230.01      | Level (m)                                      | Realtime                 |              |                | 2004-10-08           |                       | 2015-12-08         | 14%                     | missing       |         |
|                                                     | 230.04      | Level (m)                                      | HYDRAS 3                 |              |                | 2012-11-29           |                       | 2023-09-20         | 47%                     | missing       |         |
|                                                     | 230.09      | Level (m)                                      | NETDLL_UP_LEVEL          |              |                | 2013-02-03           |                       | 2022-03-22         | 10%                     | missing       |         |
|                                                     | 230.15      | Level (m)                                      | Cello backup hg          |              |                | 2023-09-04           |                       | 2023-09-17         |                         |               |         |
|                                                     | 302.02      | Solar Current                                  | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 500.02      | Wind Direc (Deg)                               | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 26%                     | missing       |         |
|                                                     | 515.02      | Wind Speed (M/s)                               | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 517.02      | High Speed                                     | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 518.02      | Hi Dir                                         | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 26%                     | missing       |         |
|                                                     | 519.02      | Wind Chill                                     | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 520.02      | Wind Run                                       | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 712.02      | Evap.[S] (mm.)                                 | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
|                                                     | 741.02      | Solar Rad.(mW/Sq.cm)                           | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 753.02      | Hi Sol Rad.(wh/Sq.m)                           | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 20%                     | missing       |         |
|                                                     | 816.02      | Pressure (mm)                                  | Davis Instrumentation    |              |                | 2014-04-01           |                       | 2023-06-01         | 19%                     | missing       |         |
| Components                                          |             |                                                |                          |              |                | Component Period     |                       |                    |                         |               |         |
|                                                     | B8E003      | Doornhoek @ Tzaneen Dam                        |                          |              |                | 1977-01-25           |                       |                    |                         |               |         |
|                                                     | B8H048      | Tzaneen Dam River Outlet @ Doornhoek           |                          |              |                | 1977-01-25           |                       | 1977-01-25         |                         |               |         |
|                                                     | B8H050      | Great-Letaba River @ Doornhoek                 |                          |              |                | 1977-01-25           |                       |                    |                         |               |         |
|                                                     | B8H051      | Left Canal from Great-Letaba River @ Doornhoek |                          |              |                | 1977-05-27           |                       | 2007-01-22         |                         |               |         |
|                                                     | B8H049      | Pipeline to Treatment Works @ Doornhoek        |                          |              |                | 1990-10-01           |                       |                    |                         |               |         |
| B8R006 Broederstroom River @ Woodbush Forest Res.   |             |                                                |                          |              |                | 23:48:51             | 29:57:59              | B81A               | 14                      | Dap Naude Dam |         |
| FSL Parameters                                      | Gauge Plate | Reduced Level                                  | Surface area             | Net capacity | Gross capacity |                      |                       |                    |                         |               |         |
|                                                     | (m)         | (m)                                            | (ha)                     | (mill m**3)  | (mill m**3)    |                      |                       |                    |                         |               |         |
|                                                     | 22.86       | 1546.79                                        | 22.70                    | 1.67         | 1.67           |                      |                       |                    |                         |               |         |
|                                                     | 22.86       | 1546.79                                        | 22.70                    | 1.67         | 1.67           |                      |                       |                    |                         |               |         |
|                                                     | 24.38       | 1548.31                                        | 28.10                    | 1.94         | 1.94           |                      |                       |                    |                         |               |         |
|                                                     |             |                                                |                          |              |                | 1960-10-01           |                       |                    | Basin survey            |               |         |
|                                                     |             |                                                |                          |              |                | 1977-05-06           |                       |                    |                         |               |         |
|                                                     |             |                                                |                          |              |                | 1980-02-07           |                       |                    | Basin survey            |               |         |



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| Station        |                                   |                                             |                          |                 | Latitude<br>dd:mm:ss | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description       | Page 28     |
|----------------|-----------------------------------|---------------------------------------------|--------------------------|-----------------|----------------------|-----------------------|--------------------|-------------------------|-------------------|-------------|
| B8R006         | (continued)                       |                                             |                          |                 |                      |                       |                    |                         |                   |             |
| Data           |                                   |                                             |                          |                 |                      |                       |                    | Data Period             |                   |             |
|                | 100.00                            | Level                                       | (Metres)                 |                 |                      |                       |                    | 1977-05-06              | 2025-01-28        |             |
|                | 230.09                            | Level (m)                                   |                          | CELLO_LEVEL     |                      |                       |                    | 2016-03-30              | 2025-01-28        | 22% missing |
|                | 230.15                            | Level (m)                                   |                          | Cello backup hg |                      |                       |                    | 2024-06-26              | 2025-01-28        |             |
| Components     |                                   |                                             |                          |                 |                      |                       |                    | Component Period        |                   |             |
|                | B8E004                            | Woodbush Forest Res @ Dap Naude Dam         |                          |                 |                      |                       |                    | 1977-05-11              |                   |             |
|                | B8H053                            | Broederstroom @ Woodbush Forest Res         |                          |                 |                      |                       |                    | 1977-05-11              |                   |             |
|                | B8H052                            | Pietersburg Pipeline @ Woodbush Forest Res. |                          |                 |                      |                       |                    | 1977-06-01              |                   |             |
| B8R007         | Middel-Letaba River @ Sterk River |                                             |                          |                 | 23:16:25             | 30:24:13              | B82D               | 1800                    | Middel-Letaba Dam |             |
| FSL Parameters | Gauge Plate                       | Reduced Level                               | Surface area             | Net capacity    | Gross capacity       |                       |                    |                         |                   |             |
|                | (m)                               | (m)                                         | (ha)                     | (mill m**3)     | (mill m**3)          |                       |                    |                         |                   |             |
|                | 18.00                             | 534.00                                      | 1926.00                  | 171.93          | 184.21               |                       |                    | 1986-02-24              | Basin survey      |             |
| Data           |                                   |                                             |                          |                 |                      |                       |                    | Data Period             |                   |             |
|                | 10.61                             | Rainfall (mm.)                              | 4 WATER Cello (realtime) |                 |                      |                       |                    | 2016-07-02              | 2022-08-25        | 59% missing |
|                | 100.00                            | Level (Metres)                              |                          |                 |                      |                       |                    | 1986-02-24              | 2025-02-18        |             |
|                | 230.09                            | Level (m)                                   | CELLO_LEVEL              |                 |                      |                       |                    | 2013-07-03              | 2025-02-18        | 43% missing |
|                | 230.15                            | Level (m)                                   | Cello backup hg          |                 |                      |                       |                    | 2024-02-13              | 2025-02-18        | 10% missing |
|                | 815.70                            | Temp (Deg C)                                | Raw logger data          |                 |                      |                       |                    | 2021-10-22              | 2024-10-22        |             |
| Components     |                                   |                                             |                          |                 |                      |                       |                    | Component Period        |                   |             |
|                | B8H054                            | Right Canal from Dam @ Sterk River          |                          |                 |                      |                       |                    | 1986-06-24              |                   |             |
|                | B8E007                            | State Land @ Middle Letaba Dam              |                          |                 |                      |                       |                    | 1986-08-11              | 1995-02-10        |             |
|                | B8H055                            | Canal Return Flow to River @ Sterk River    |                          |                 |                      |                       |                    | 1986-08-11              |                   |             |
|                | B8H056                            | Middle-Letaba River @ Sterk River           |                          |                 |                      |                       |                    | 1986-08-11              | 2000-02-08        |             |
|                | B8H057                            | Canal to Treatment Works @ Sterk River      |                          |                 |                      |                       |                    | 1989-02-01              | 2009-01-07        |             |
|                | B8E008                            | State Land @ Nsami Dam                      |                          |                 |                      |                       |                    | 1995-04-03              |                   |             |
|                | B8H071                            | Middel Letaba Rivier @ Middel Letaba Dam    |                          |                 |                      |                       |                    | 2004-02-24              |                   |             |
| B8R008         | Groot-Letaba River @ The Junction |                                             |                          |                 | 23:51:36             | 30:23:31              | B81E               | 1392                    | Junction Weir     |             |
| Data           |                                   |                                             |                          |                 |                      |                       |                    | Data Period             |                   |             |
|                | 10.59                             | Rainfall (mm.)                              | CELLO RAIN               |                 |                      |                       |                    | 2016-07-11              | 2017-01-31        |             |
|                | 10.61                             | Rainfall (mm.)                              | 4 WATER Cello (realtime) |                 |                      |                       |                    | 2015-01-15              | 2023-09-19        | 57% missing |
|                | 100.00                            | Level (Metres)                              |                          |                 |                      |                       |                    | 1977-02-10              | 2025-02-17        | 76% missing |
|                | 230.09                            | Level (m)                                   | RTS_UP_CELLO_LEVEL       |                 |                      |                       |                    | 2014-01-15              | 2024-02-12        | 7% missing  |
|                | 230.15                            | Level (m)                                   | Cello backup hg          |                 |                      |                       |                    | 2024-06-10              | 2025-02-17        |             |
|                | 815.70                            | Temp (Deg C)                                | Raw logger data          |                 |                      |                       |                    | 2022-01-31              | 2025-02-17        | 35% missing |
| Components     |                                   |                                             |                          |                 |                      |                       |                    | Component Period        |                   |             |
|                | B8H062                            | Left Canal from Dam @ The Junction          |                          |                 |                      |                       |                    | 1977-02-10              | 1978-01-09        |             |
| B8R009         | Nsama River @ Nsama               |                                             |                          |                 | 23:15:17             | 30:46:15              | B82H               | 339                     | Nsami Dam         |             |



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| Station        |                                              |                                               |                      |                             | Latitude<br>dd:mm:ss          | Longitude<br>dd:mm:ss | Drainage<br>Region | Catchment<br>Area km**2 | Description  | Page 29 |
|----------------|----------------------------------------------|-----------------------------------------------|----------------------|-----------------------------|-------------------------------|-----------------------|--------------------|-------------------------|--------------|---------|
| B8R009         | (continued)                                  |                                               |                      |                             |                               |                       |                    |                         |              |         |
| FSL Parameters | Gauge Plate<br>(m)                           | Reduced Level<br>(m)                          | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |              |         |
|                | 8.00                                         | 445.00                                        | 498.30               | 21.87                       | 24.13                         |                       | 1995-05-09         | Basin survey            |              |         |
| Data           |                                              |                                               |                      |                             |                               |                       | Data Period        |                         |              |         |
|                | 100.00                                       | Level (Metres)                                |                      |                             |                               |                       | 1995-05-09         | 2025-02-18              |              |         |
|                | 230.09                                       | Level (m)                                     | CELLO_LEVEL          |                             |                               |                       | 2016-09-05         | 2025-02-18              | 2% missing   |         |
|                | 230.15                                       | Level (m)                                     | Cello backup hg      |                             |                               |                       | 2023-11-10         | 2024-07-15              | 5% missing   |         |
|                | 815.70                                       | Temp (Deg C)                                  | Raw logger data      |                             |                               |                       | 2022-12-12         | 2025-02-18              |              |         |
| Components     |                                              |                                               |                      |                             |                               |                       | Component Period   |                         |              |         |
|                | B8E008                                       | State Land @ Nsami Dam                        |                      |                             |                               |                       | 1994-11-26         |                         |              |         |
|                | B8H066                                       | Irrigation Canal from Nsami Dam @ Nsami       |                      |                             |                               |                       | 1995-04-19         |                         |              |         |
|                | B8H067                                       | Inlet Canal from Middle-Letaba Dam @ Nsami    |                      |                             |                               |                       | 1995-04-19         |                         |              |         |
|                | B8H068                                       | Pipeline from Dam @ Nsami                     |                      |                             |                               |                       | 1995-05-01         |                         |              |         |
| B8R010         | Groot-Letaba River @ Jasi                    |                                               |                      |                             | 23:44:13                      | 30:31:41              | B81E               | 1999                    | Jasi Weir    |         |
| Data           |                                              |                                               |                      |                             |                               |                       | Data Period        |                         |              |         |
|                | 100.00                                       | Level (Metres)                                |                      |                             |                               |                       | 1977-02-14         | 1978-05-08              | 12% missing  |         |
| Components     |                                              |                                               |                      |                             |                               |                       | Component Period   |                         |              |         |
|                | B8H063                                       | Left Canal from Dam @ Jasi                    |                      |                             |                               |                       | 1977-02-14         | 1978-05-08              |              |         |
| B8R011         | Molototsi River @ Modjadjes 424 Lt Ga-Matswe |                                               |                      |                             | 23:35:08                      | 30:20:58              | B81G               | 71                      | Modjadji Dam |         |
| FSL Parameters | Gauge Plate<br>(m)                           | Reduced Level<br>(m)                          | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |              |         |
|                | 14.00                                        | 604.93                                        | 100.52               | 7.20                        | 7.41                          |                       | 1997-09-04         | Basin survey            |              |         |
| Data           |                                              |                                               |                      |                             |                               |                       | Data Period        |                         |              |         |
|                | 10.59                                        | Rainfall (mm.)                                | CELLO_RAIN           |                             |                               |                       | 2015-06-29         | 2017-01-30              |              |         |
|                | 100.00                                       | Level (Metres)                                |                      |                             |                               |                       | 1997-09-04         | 2025-02-21              |              |         |
|                | 230.01                                       | Level (m)                                     | Realtime             |                             |                               |                       | 2005-04-05         | 2014-06-13              | 15% missing  |         |
|                | 230.04                                       | Level (m)                                     | HYDRAS 3             |                             |                               |                       | 2019-03-31         | 2021-03-12              | 22% missing  |         |
|                | 230.09                                       | Level (m)                                     | ECOLOG_UP_LEVEL      |                             |                               |                       | 2014-01-01         | 2025-02-21              | 26% missing  |         |
|                | 230.15                                       | Level (m)                                     | Cello backup hg      |                             |                               |                       | 2023-10-30         | 2025-02-23              | 1% missing   |         |
| Components     |                                              |                                               |                      |                             |                               |                       | Component Period   |                         |              |         |
|                | B8H070                                       | Pipeline to Purification Works @ Modjadji Dam |                      |                             |                               |                       | 1997-12-01         |                         |              |         |
| B8R012         | Thabina River @ Thabina                      |                                               |                      |                             | 23:54:08                      | 30:22:44              | B81D               | 0                       | Thabina Dam  |         |
| FSL Parameters | Gauge Plate<br>(m)                           | Reduced Level<br>(m)                          | Surface area<br>(ha) | Net capacity<br>(mill m**3) | Gross capacity<br>(mill m**3) |                       |                    |                         |              |         |
|                | 40.42                                        | 787.36                                        | 28.36                | 3.42                        | 3.42                          |                       | 2022-10-01         | Basin survey            |              |         |



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|                             |    |
|-----------------------------|----|
| Albasini Dam A9R001         | 15 |
| Bierspruit Dam A2R010       | 5  |
| Blyderivierpoort Dam B6R003 | 23 |
| Bon Accord Dam A2R002       | 2  |
| Bospoort Dam A2R006         | 3  |
| Bronkhorstspuit Dam B2R001  | 18 |
| Buffelsdoorn Dam B5R004     | 22 |
| Buffelskloof Dam B4R004     | 21 |
| Buffelspoort Dam A2R005     | 3  |
| Chuniespoort Dam B5R007     | 23 |
| Dap Naude Dam B8R006        | 27 |
| De Hoop Dam B4R007          | 22 |
| Donkerpoort Dam A6R003      | 13 |
| Doordraai Dam A6R001        | 12 |
| Dr Eiselen Dam B4R006       | 21 |
| Dr Neetling Dam A7R001      | 13 |
| Ebenezer Dam B8R001         | 25 |
| Flag Boshielo Dam B5R002    | 22 |
| Gert Combrink Dam A6R004    | 13 |
| Glen Alpine Dam A6R002      | 12 |
| Hans Merensky Dam B8R002    | 25 |
| Hartbeespoort Dam A2R001    | 1  |
| Houtrivier Dam A7R002       | 14 |
| Jasi Weir B8R010            | 29 |
| Junction Weir B8R008        | 28 |
| Klaserie Dam B7R001         | 24 |
| Klavervalley Dam B5R001     | 22 |
| Klein-Maricopoort Da A3R002 | 8  |
| Klipvoor Dam A2R012         | 6  |
| Kosterrivier Dam A2R011     | 5  |
| Kromellenboog Dam A3R003    | 9  |
| Leeukraal Dam A2R016        | 7  |
| Lindleyspoort Dam A2R007    | 4  |
| Lola Montes Dam B5R003      | 22 |
| Loskop Dam B3R002           | 19 |
| Luphephe Dam A8R002         | 14 |
| Madikwe Dam A3R006          | 10 |
| Magoebaskloof Dam B8R003    | 26 |
| Mapochs Dam B4R003          | 21 |
| Marico-Bosveld Dam A3R001   | 8  |
| Middel-Letaba Dam B8R007    | 28 |
| Middelburg Dam B1R002       | 17 |
| Middelkraal Dam A2R018      | 8  |
| Modjadji Dam B8R011         | 29 |
| Mokolo Dam A4R001           | 11 |
| Molatedi Dam A3R004         | 10 |
| Molepo Dam B5R008           | 23 |
| Mutshedzi Dam A8R004        | 15 |
| Nandoni Dam A9R004          | 16 |
| Ngotwane Dam A1R001         | 1  |
| Nsami Dam B8R009            | 28 |
| Nwanedzi Dam A8R003         | 15 |
| Nzhelele Dam A8R001         | 14 |
| Ohrigstad Dam B6R001        | 23 |
| Olifantsnek Dam A2R003      | 2  |
| Paul Hugo Dam A2R017        | 8  |
| Pella Dam A3R007            | 11 |
| Phalaborwa Barrage B7R002   | 24 |
| Piet Gouws Dam B5R006       | 23 |
| Rhenosterkop Dam B3R005     | 20 |
| Rietvlei Dam A2R004         | 2  |
| Roodekopjes Dam A2R015      | 7  |
| Roodeplaat Dam A2R009       | 5  |
| Roodepoort Dam B3R004       | 19 |
| Rooikraal Dam B3R003        | 19 |
| Rust De Winter Dam B3R001   | 18 |



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|              |            |    |
|--------------|------------|----|
| Sehujwane    | Dam A3R005 | 10 |
| Spitskop     | Dam B4R005 | 21 |
| Susandale    | Dam A5R002 | 12 |
| Swartruggens | Dam A2R013 | 6  |
| Thabina      | Dam B8R012 | 29 |
| Tonteldoos   | Dam B4R001 | 20 |
| Tours        | Dam B7R003 | 25 |
| Tzaneen      | Dam B8R005 | 27 |
| Vaalkop      | Dam A2R014 | 6  |
| Vergelegen   | Dam B5R005 | 22 |
| Vergelegen   | Dam B8R004 | 26 |
| Vischgat     | Dam A5R001 | 11 |
| Vlugkraal    | Dam B4R002 | 20 |
| Vondo        | Dam A9R002 | 16 |
| Warmbad      | Dam A2R008 | 4  |
| Witbank      | Dam B1R001 | 17 |