# Quarterly Water Quality Status of the KLIPRIVIER Catchment

## As on 2016/08/01

| SAMPLE POINT | QUARTER | ELEMENT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AL_TOT | CHLORIDE | COD | CONDUCTIVITY | ECOLI | F | FCOLI | FE_TOT | MG_TOT | MN_TOT | N | NA_TOT | NOX | P | PH | SS | SULPHATES |
| D1 CINDERELLA DAM OUTFLOW | 1 | 0.2 | 31.5 | 18.0 | **144.5** | 25.0 | 0.4 | 165.0 | 0.3 | 117.7 | 0.7 | 1.9 | 62.3 | 0.3 | 0.3 | 7.0 | 9.0 | 85.5 |
| | 2 | 0.4 | 72.0 | 22.0 | 178.3 | 27.3 | 0.7 | 84.7 | 0.5 | 180.7 | 19.9 | 5.8 | 169.1 | 1.5 | 0.1 | 7.7 | 14.0 | 841.0 |
| | 3 | 0.1 | 23.3 | 13.7 | 40.3 | 560.0 | 0.3 | **996.7** | **0.5** | | 0.8 | 1.1 | | 0.9 | 0.1 | 7.3 | 5.0 | 71.0 |
| | 4 | 0.1 | 28.7 | 30.3 | 41.7 | 11 100.0 | 0.3 | 25 300.0 | 0.6 | | 0.6 | 2.6 | | 0.3 | 0.1 | 7.1 | 5.0 | 69.3 |
| D2 DIXIE SPRUIT | 1 | 0.2 | 180.0 | 5.0 | 256.5 | 6.0 | 0.4 | 1 606.0 | 0.1 | 135.7 | 0.3 | 0.4 | 97.4 | 0.1 | 0.1 | 6.3 | 16.5 | 1 470.0 |
| | 2 | | 73.3 | 19.3 | 131.3 | | 0.2 | 210.7 | 0.3 | 110.7 | 1.6 | 0.1 | 77.8 | 0.2 | 0.1 | 7.7 | 16.0 | 595.3 |
| | 3 | | 27.7 | 14.3 | 182.5 | | 0.4 | 1 386.7 | 0.4 | | 0.4 | 0.3 | | 0.6 | 0.1 | 7.1 | 7.0 | 104.7 |
| | 4 | | 41.3 | 9.7 | 82.7 | 163.0 | 0.2 | 249.3 | 0.3 | | 0.4 | 0.8 | | 1.1 | 0.1 | 6.9 | 5.0 | 257.7 |
| E1 TEDSTONEVILLE EXT 1 | 1 | | 200.0 | 24.7 | 413.7 | 2 800.0 | 0.1 | 30 866.7 | 9.5 | 171.5 | 0.9 | 3.5 | 124.3 | 4.2 | 0.1 | 7.7 | 34.0 | 2 981.7 |
| | 2 | | 102.3 | 78.6 | 210.3 | 1 451 150.0 | 0.2 | 1 716 500.0 | 16.7 | 57.8 | 1.1 | 11.9 | 92.0 | 5.6 | 0.3 | 6.6 | 49.7 | 1 027.3 |
| | 3 | | 89.7 | 32.3 | 149.7 | 1 260.0 | 0.2 | 35 923.3 | 0.9 | | 0.6 | 3.7 | | 2.1 | 0.1 | 7.2 | 22.7 | 1 286.3 |
| | 4 | | 31.3 | 57.3 | 52.3 | 207 023.3 | 0.2 | 875.0 | 0.4 | | 0.2 | 3.6 | | 2.2 | 0.1 | 7.2 | 22.0 | 87.3 |
| E2 BRUG STR ELSBURG | 1 | 0.4 | 89.0 | 339.0 | 337.0 | 285 000.0 | 0.2 | 560 000.0 | 2.0 | 107.5 | 0.8 | 3.8 | 99.9 | 2.0 | 0.1 | 6.4 | 89.5 | 2 440.0 |
| | 2 | 0.4 | | 97.0 | 156.3 | 110 866.7 | 0.1 | 252 333.3 | 1.2 | 57.5 | 1.7 | 10.3 | 105.5 | 20.0 | 0.3 | 7.7 | 38.3 | 596.7 |
| | 3 | 1.0 | | 39.7 | 247.7 | 186 666.7 | 0.2 | 532 333.3 | 1.9 | | 1.1 | 3.2 | | 1.7 | 0.1 | 6.8 | 36.0 | 1 088.3 |
| | 4 | 0.8 | | 42.3 | 253.0 | 81 000.0 | 0.1 | 113 666.7 | 2.1 | | 1.2 | 5.4 | | 1.1 | 0.1 | 7.6 | 40.7 | 1 230.0 |
| E3 NIEMAND STR W/VILLE | 1 | 0.3 | 166.0 | 47.0 | 312.0 | 22 500.0 | 0.2 | 59 500.0 | 1.6 | 91.7 | 0.8 | 2.8 | **91.0** | 9.0 | 0.1 | 6.8 | 32.0 | 2 100.0 |
| | 2 | | 78.5 | 74.0 | 158.0 | 30 000.0 | 0.1 | 52 666.7 | 0.8 | 86.7 | 1.3 | 5.1 | 88.7 | 0.4 | 0.3 | 7.4 | 34.7 | 746.0 |
| | 3 | | | 19.0 | 175.0 | 107 833.3 | 0.3 | 257 500.0 | 2.0 | | 1.3 | 2.9 | | 0.4 | 0.1 | 7.1 | 32.7 | 746.5 |
| | 4 | | | 23.7 | 219.3 | 2 826.7 | 0.1 | 4 826.7 | 1.1 | | 1.2 | 5.4 | | 0.7 | 0.2 | 7.8 | 20.0 | 1 032.0 |
| E4 NEDERVEEN STR W/VILLE | 1 | 0.2 | 147.5 | 36.5 | 311.0 | 9 000.0 | 0.4 | 26 500.0 | 1.0 | 118.7 | 2.2 | 4.6 | 117.4 | 0.6 | 0.3 | 7.5 | 40.0 | 1 675.0 |
| | 2 | 0.2 | 56.0 | 24.0 | 220.7 | 5 800.0 | 0.6 | 9 166.7 | 0.9 | 86.8 | 2.1 | 5.1 | 100.3 | 0.1 | 0.5 | 7.0 | 27.0 | 809.0 |
| | 3 | 0.1 | 64.7 | 13.0 | 198.0 | 14 700.0 | 0.3 | 67 833.3 | 0.9 | | 1.8 | 1.4 | | 0.7 | 0.1 | 7.6 | 13.7 | 900.0 |
| | 4 | 0.1 | 77.0 | 16.0 | 241.7 | 4 445.7 | 0.2 | 8 538.0 | 0.7 | | 1.2 | 1.4 | | 2.8 | 0.3 | 7.7 | 15.0 | 1 086.7 |
| NAT1 ALBERTON NORTH | 1 | 0.2 | 25.5 | 16.0 | 72.5 | 11 000.0 | 0.2 | 14 500.0 | 1.6 | 13.7 | 2.1 | 7.4 | 17.5 | 1.1 | 0.1 | 7.8 | 10.0 | 140.5 |
| | 2 | | 31.0 | 19.0 | 82.7 | | 0.4 | 2 334.7 | 16.1 | 21.4 | 1.4 | 3.1 | 24.9 | 0.8 | 0.1 | 6.6 | 5.0 | 292.7 |
| | 3 | | 28.0 | 14.3 | 55.8 | 4 600.0 | 0.2 | 7 325.0 | 1.1 | | 2.4 | 3.0 | | 1.1 | 0.1 | 7.5 | 5.0 | 64.0 |
| | 4 | | 32.7 | 13.0 | 46.7 | 936.7 | 0.4 | 1 403.3 | 2.0 | | 1.2 | 2.2 | | 2.2 | 0.1 | 7.6 | 8.0 | 99.3 |
| NAT2 HEDELBURG RD | 1 | 0.1 | 41.0 | 27.0 | 60.0 | 34 900.0 | 0.3 | 46 900.0 | 0.7 | 13.4 | 2.3 | 4.4 | 17.0 | 1.0 | 0.1 | 8.1 | 5.0 | 182.0 |
| | 2 | | 30.0 | 23.7 | 88.3 | 5 466.7 | 0.4 | 13 166.7 | 19.0 | 11.8 | 1.3 | 1.8 | 14.1 | 0.8 | 0.1 | 6.6 | 9.0 | 324.7 |
| | 3 | | 29.0 | 5.0 | 50.3 | 21 400.0 | 0.1 | 37 600.0 | 9.7 | | 1.4 | 2.9 | | 1.2 | 0.1 | 7.0 | 5.0 | 138.8 |
| | 4 | | 36.0 | 6.7 | 59.7 | 6 416.7 | 0.2 | 20 566.7 | 0.3 | | 1.8 | 3.8 | | 0.9 | 0.1 | 7.2 | 57.7 | 164.7 |
| NAT3 HUNTERSFIELD | 1 | 0.8 | 43.5 | 69.5 | 66.5 | 19 500.0 | 0.3 | 26 500.0 | 1.0 | 12.9 | 1.8 | 3.8 | 21.3 | 0.3 | 0.1 | 7.2 | 32.5 | 130.5 |
| | 2 | 0.3 | 42.7 | 46.7 | 223.0 | 108 666.7 | 0.6 | 342 000.0 | 0.9 | 14.8 | 1.7 | 3.5 | 25.7 | 0.2 | 0.1 | 7.3 | 12.7 | 139.0 |
| | 3 | 1.2 | 30.0 | 87.0 | 65.0 | 2 660 000.0 | 0.3 | 4 833 333.3 | 1.3 | | 1.7 | 2.5 | | 0.6 | 0.1 | 7.3 | 29.3 | 153.3 |
| | 4 | 0.3 | 44.0 | **32.0** | **64.7** | 14 666.7 | 0.6 | 31 666.7 | 0.9 | | **2.2** | **3.2** | | 1.1 | 0.1 | 7.3 | 7.7 | 272.3 |
| NAT4 VOSLOORUS EXT 32 | 1 | | 66.5 | 8.0 | 166.0 | 54.0 | 0.4 | 89.0 | 0.2 | 61.3 | 0.5 | 0.4 | **84.7** | **4.7** | 0.1 | 7.7 | 5.0 | 810.5 |
| | 2 | | 66.0 | 22.0 | 144.3 | 2 496.3 | 0.7 | 2 597.3 | 0.2 | 34.9 | 1.1 | 2.5 | 62.0 | 3.7 | 0.3 | 7.6 | 5.0 | 497.7 |
| | 3 | | 42.3 | 27.3 | 103.0 | 746.7 | 0.4 | 1 240.0 | 0.0 | | 0.2 | 1.3 | | 1.6 | 0.2 | 7.1 | 5.0 | 311.3 |
| | 4 | | 61.7 | 13.3 | 149.0 | 56.0 | 0.2 | 66.0 | 0.1 | | 0.2 | 0.1 | | 3.3 | 0.1 | 7.5 | 5.0 | 596.0 |
| NAT5 MOLELEKI X1 | 1 | 0.2 | 81.0 | 21.5 | 166.5 | 161.0 | 0.3 | 261.0 | 0.3 | 55.3 | 0.6 | 5.7 | 75.9 | 4.4 | 0.1 | 7.9 | 11.5 | 676.0 |
| | 2 | 0.1 | 82.7 | 27.0 | 116.0 | 222.3 | 0.8 | 385.7 | 0.4 | 21.3 | 0.7 | 7.0 | 65.7 | 4.6 | 0.2 | 7.4 | 8.7 | 313.0 |
| | 3 | 0.1 | 53.7 | 37.0 | 78.7 | 2 542.3 | 0.4 | 4 215.0 | 0.3 | | 0.4 | 1.3 | | 3.4 | 0.3 | 7.3 | 5.0 | 293.0 |

Quarter 1: 2016/03/01 - 2016/03/31
Quarter 2: 2016/04/01 - 2016/04/30
Quarter 3: 2016/05/01 - 2016/05/31
Quarter 4: 2016/06/01 - 2016/06/30

Ideal
Tolerable
Acceptable
Unacceptable

| | | ELEMENT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE POINT | QUARTER | AL_TOT | CHLORIDE | COD | CONDUCTIVITY | ECOLI | F | FCOLI | FE_TOT | MG_TOT | MN_TOT | N | NA_TOT | NOX | P | PH | SS | SULPHATES |
| NAT5 MOLELEKI X1 | 4 | 0.2 | 72.3 | 14.3 | 154.7 | 793.7 | 0.2 | 1 557.0 | 0.5 | | 0.4 | 2.1 | | 2.7 | 0.2 | 7.2 | 6.7 | 585.0 |
| NAT6 R550 | 1 | 0.2 | 75.5 | 30.5 | 161.5 | 960.0 | 0.5 | 1 585.0 | 0.4 | 37.9 | 0.5 | 4.6 | 64.0 | 6.7 | 0.1 | 7.8 | 8.5 | 355.0 |
| | 2 | 0.2 | 78.7 | 26.7 | 110.7 | 6 783.3 | 0.7 | 15 130.0 | 0.4 | 23.9 | 0.7 | 3.5 | 65.8 | 6.6 | 0.3 | 7.7 | 7.0 | 287.7 |
| | 3 | 0.3 | 52.0 | 40.2 | 91.0 | 11 695.7 | 0.3 | 20 000.0 | 0.5 | | 0.4 | 0.9 | | 3.0 | 0.2 | 6.8 | 11.0 | 279.7 |
| | 4 | 0.2 | 71.7 | 12.0 | 148.3 | 3 362.3 | 0.2 | 5 715.7 | 0.3 | | 0.3 | 1.7 | | 4.0 | 0.1 | 7.5 | 8.3 | 531.3 |

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