**MOGALE CITY LOCAL MUNICIPALITY**
**INFRASTRUCTURE SERVICES**
**ANALYTICAL RESULTS**

| | RESERVOIR SAMPLE POINTS | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. | Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 | Azaadville Old | 21.7 | 7.42 | 0.08 | 0.35 | 0 | 0 | 21.8 | 7.50 | 0.20 | 0.40 | 0 | 0 | 21.0 | 8.07 | 0.25 | 0.30 | 0 | 0 |
| 2 | Azaadville New | 22.2 | 7.46 | 0.10 | 0.30 | 0 | 0 | 21.8 | 7.56 | 0.21 | 0.30 | 0 | 0 | 21.1 | 7.85 | 0.18 | 0.40 | 0 | 0 |
| 3 | Chamdor | 21.3 | 7.59 | 0.13 | 0.16 | 0 | 0 | 21.3 | 7.50 | 0.25 | 0.15 | 0 | 0 | 21.1 | 7.88 | 0.17 | 0.18 | 0 | 0 |
| 4 | Dan Pienaarville Old | 22.0 | 7.94 | 0.14 | 0.23 | 0 | 0 | 21.5 | 7.61 | 0.21 | 0.21 | 0 | 0 | 20.6 | 7.73 | 0.18 | 0.18 | 0 | 0 |
| 5 | Dan Pienaarville New | 22.4 | 7.99 | 0.10 | 0.35 | 0 | 0 | 21.4 | 7.63 | 0.20 | 0.23 | 0 | 0 | 20.4 | 7.76 | 0.14 | 0.18 | 0 | 0 |
| 6 | Factoria | 21.9 | 7.70 | 0.09 | 0.33 | 0 | 0 | 21.3 | 7.57 | 0.25 | 0.36 | 0 | 0 | 20.2 | 7.95 | 0.18 | 0.40 | 0 | 0 |
| 7 | Kagiso | 22.1 | 7.69 | 0.09 | 0.19 | 0 | 0 | 21.6 | 7.79 | 0.15 | 0.20 | 0 | 0 | 20.6 | 7.72 | 0.25 | 0.25 | 0 | 0 |
| 8 | Kagiso 12 | 21.7 | 7.63 | 0.12 | 0.40 | 0 | 0 | 21.2 | 7.63 | 0.19 | 0.36 | 0 | 0 | 20.0 | 7.86 | 0.21 | 0.40 | 0 | 0 |
| 9 | Kenmare / Silverfields | 21.7 | 7.61 | 0.12 | 0.28 | 0 | 0 | 21.5 | 7.64 | 0.15 | 0.30 | 0 | 0 | 20.3 | 7.84 | 0.23 | 0.23 | 0 | 0 |
| 10 | Krugersdorp | 21.8 | 7.54 | 0.10 | 0.28 | 0 | 0 | 21.6 | 7.64 | 0.23 | 0.22 | 0 | 0 | 20.3 | 7.84 | 0.23 | 0.35 | 0 | 0 |
| 11 | Magalies | 23.0 | 8.14 | 0.17 | 0.38 | 0 | 0 | 22.0 | 7.69 | 0.33 | 0.34 | 0 | 0 | 20.3 | 7.71 | 0.23 | 0.30 | 0 | 0 |
| 12 | Munsieville | 21.9 | 8.29 | 0.09 | 0.29 | 0 | 0 | 21.3 | 7.79 | 0.23 | 0.26 | 0 | 0 | 20.2 | 7.84 | 0.19 | 0.30 | 0 | 0 |
| 13 | Noordheuwel | 21.9 | 7.81 | 0.11 | 0.24 | 0 | 0 | 21.5 | 7.77 | 0.33 | 0.23 | 0 | 0 | 20.3 | 7.85 | 0.18 | 0.23 | 0 | 0 |
| 14 | Rant & Dal / Noordheuwel | 21.9 | 7.81 | 0.28 | 0.25 | 0 | 0 | 21.6 | 7.74 | 0.21 | 0.34 | 0 | 0 | 20.3 | 7.80 | 0.20 | 0.18 | 0 | 0 |

| | DISTRIBUTION NETWORK SAMPLE POINTS | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. | Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 | Game Reserve Connection | 21.8 | 8.07 | 0.11 | 0.40 | 0 | 0 | 21.3 | 7.69 | 0.20 | 0.40 | 0 | 0 | 19.9 | 7.73 | 0.25 | 0.40 | 0 | 0 |
| 2 | Hakunamatata | 21.3 | 8.05 | 0.12 | 0.31 | 0 | 0 | 20.7 | 7.43 | 0.17 | 0.40 | 0 | 0 | 20.3 | 7.84 | 0.23 | 0.40 | 0 | 0 |
| 3 | Hole in one road | 21.8 | 8.10 | 0.08 | 0.30 | 0 | 0 | 20.9 | 7.34 | 0.19 | 0.30 | 0 | 0 | 19.9 | 7.97 | 0.22 | 0.30 | 0 | 0 |
| 4 | Mindalore Connection | 22.1 | 8.06 | 0.10 | 0.16 | 0 | 0 | 21.2 | 7.59 | 0.17 | 0.16 | 0 | 0 | 20.0 | 8.01 | 0.22 | 0.18 | 0 | 0 |
| 5 | West Village Connection | 22.1 | 8.01 | 0.11 | 0.25 | 0 | 0 | 21.2 | 7.49 | 0.20 | 0.28 | 0 | 0 | 19.9 | 7.73 | 0.18 | 0.30 | 0 | 0 |
| 6 | Westonaria Connection | 22.0 | 8.08 | 0.12 | 0.40 | 0 | 0 | 21.3 | 7.58 | 0.23 | 0.40 | 0 | 0 | 20.2 | 7.78 | 0.23 | 0.40 | 0 | 0 |

| | WATER TANKERS | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. | Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 | Aqua Tanker 1 | 20.1 | 8.42 | 0.07 | 0.60 | 0 | 0 | 21.7 | 7.12 | 0.46 | 0.40 | 0 | 0 | 20.4 | 8.06 | 0.18 | 0.20 | 0 | 0 |
| 2 | Aqua Tanker 2 | 22.3 | 8.36 | 0.07 | 0.30 | 0 | 0 | 20.4 | 7.72 | 0.74 | 0.30 | 0 | 0 | 20.3 | 8.04 | 0.20 | 0.10 | 0 | 0 |
| 3 | Aqua Tanker 3 | 20.3 | 8.45 | 0.07 | 0.30 | 0 | 0 | 21.4 | 7.46 | 0.74 | 0.30 | 0 | 0 | 20.2 | 8.02 | 0.69 | 0.30 | 0 | 0 |
| 4 | Twin M Tanker 1 | 21.8 | 8.31 | 0.18 | 0.30 | 0 | 0 | 20.7 | 7.05 | 0.16 | 0.30 | 0 | 0 | 20.1 | 8.01 | 0.95 | 0.30 | 0 | 0 |
| 5 | Twin M Tanker 2 | 28.8 | 8.56 | 0.28 | 0.20 | 0 | 0 | 21.0 | 7.05 | 0.70 | 0.30 | 0 | 0 | 20.0 | 8.00 | 0.19 | 0.20 | 0 | 0 |
| 6 | Twin M Tanker 3 | 21.6 | 8.49 | 0.17 | 0.40 | 0 | 0 | 20.9 | 7.60 | 0.66 | 0.30 | 0 | 0 | 20.2 | 7.62 | 0.29 | 0.30 | 0 | 0 |

| END POINT USER SAMPLE POINTS | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 RW Azaadville LX | 24.0 | 7.10 | 0.36 | | | 0 | 33.0 | 8.00 | 0.28 | | | 0 | 21.0 | 8.00 | <1 | | | 0 |
| 2 RW Kagiso CS | 22.0 | 6.70 | 0.34 | | | 0 | 24.0 | 6.60 | 0.24 | | | 0 | 21.0 | 7.80 | <1 | | | 0 |
| 3 RW Krug West TS | 22.0 | 7.00 | 0.36 | | | 0 | 33.0 | 7.60 | 0.41 | | | 0 | 21.0 | 7.80 | <1 | | | 0 |
| 4 RW Magalies WWTW | 23.0 | 7.10 | 0.32 | 0.40 | | 0 | 34.0 | 8.00 | 0.38 | 0.40 | | 0 | 21.0 | 7.80 | <1 | 0.30 | | 0 |
| 5 RW Maranata Church | 23.0 | 7.20 | 0.31 | 0.30 | | 0 | 33.0 | 7.90 | 0.26 | 0.30 | | 0 | 21.0 | 7.90 | <1 | 0.40 | | 0 |
| 6 RW Munsieville JP | 22.0 | 6.80 | 0.25 | | | 0 | 32.0 | 7.70 | 0.32 | | | 0 | 21.0 | 7.90 | <1 | | | 0 |
| 7 RW Noordheuwel RB | 18.0 | 6.90 | 0.28 | | | 0 | 25.0 | 6.60 | 0.33 | | | 0 | 21.0 | 7.90 | <1 | | | 0 |
| 8 RW Nulaid Eggs | 22.0 | 7.10 | 0.25 | 0.10 | | 0 | 24.0 | 6.70 | 0.26 | 0.15 | | 0 | 21.0 | 7.80 | <1 | 0.10 | | 0 |
| 9 RW Ruimsig KM | 24.0 | 6.60 | 0.30 | | | 0 | 24.0 | 6.70 | 0.31 | | | 0 | 29.0 | 7.90 | 0.29 | | | 0 |
| 10 Bastion High School | 22.7 | 8.03 | 0.12 | 0.25 | 0 | 0 | 21.6 | 7.73 | 0.24 | 0.22 | 0 | 0 | 21.0 | 7.95 | 0.18 | 0.10 | 0 | 0 |
| 11 NWT Hekpoort | 22.6 | 8.05 | 0.33 | 0.28 | 0 | 0 | 21.6 | 7.55 | 0.39 | 0.40 | 0 | 0 | 20.5 | 8.00 | 0.26 | 0.40 | 0 | 0 |
| 12 Letamo Game Lodge | 22.5 | 8.04 | 0.11 | 0.14 | 0 | 0 | 21.9 | 7.56 | 0.22 | 0.12 | 0 | 0 | 21.0 | 8.03 | 0.13 | 0.13 | 0 | 0 |
| 13 NWT Lindley Joe Slovo | 21.3 | 8.04 | 0.15 | 0.10 | 0 | 0 | 21.2 | 7.45 | 0.15 | 0.13 | 0 | 0 | 20.2 | 7.87 | 0.16 | 0.13 | 0 | 0 |
| 14 Lusaka Pump Station | 22.2 | 7.95 | 0.17 | 0.25 | 0 | 0 | 21.5 | 6.04 | 0.22 | 0.23 | 0 | 0 | 20.4 | 7.86 | 0.15 | 0.20 | 0 | 0 |
| 15 Maropeng | 22.0 | 8.01 | 0.12 | 0.15 | 0 | 0 | 21.5 | 7.48 | 0.15 | 0.18 | 0 | 0 | 20.5 | 7.91 | 0.19 | 0.25 | 0 | 0 |
| 16 Muldersdrift Primary | 22.1 | 8.01 | 0.11 | 0.18 | 0 | 0 | 21.6 | 7.52 | 0.25 | 0.19 | 0 | 0 | 20.4 | 7.83 | 0.20 | 0.15 | 0 | 0 |
| 17 NWT Plot 89 Nooitgedacht | 22.2 | 8.01 | 0.08 | 0.14 | 0 | 0 | 21.5 | 7.46 | 0.18 | 0.19 | 0 | 0 | 20.3 | 7.92 | 0.18 | 0.15 | 0 | 0 |
| 18 Percy Stewart (Drinking) | 21.5 | 8.02 | 0.10 | 0.30 | 0 | 0 | 21.5 | 7.68 | 0.25 | 0.30 | 0 | 0 | 20.7 | 7.76 | 0.24 | 0.30 | 0 | 0 |
| 19 President Building | 22.1 | 8.04 | 0.12 | 0.24 | 0 | 0 | 21.8 | 7.66 | 0.29 | 0.17 | 0 | 0 | 20.4 | 7.68 | 0.19 | 0.20 | 0 | 0 |
| 20 Sasol Pinehaven | 22.3 | 7.99 | 0.17 | 0.14 | 0 | 0 | 21.6 | 7.53 | 0.26 | 0.13 | 0 | 0 | 20.5 | 7.85 | 0.19 | 0.10 | 0 | 0 |
| 21 Sterkfontein Caves | 22.6 | 8.06 | 0.13 | 0.13 | 0 | 0 | 22.1 | 7.51 | 0.21 | 0.16 | 0 | 0 | 21.5 | 7.93 | 0.19 | 0.15 | 0 | 0 |
| 22 NWT Tarlton Smokedown | 22.0 | 8.02 | 0.14 | 0.20 | 0 | 0 | 21.3 | 7.73 | 0.25 | 0.31 | 0 | 0 | 20.0 | 7.89 | 0.20 | 0.30 | 0 | 0 |

| RURAL BOREHOLES WITH STORAGE TANKS SAMPLE POINTS | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 Bekker School | 23.3 | 7.74 | 0.14 | | 3 | 3 | 22.7 | 7.29 | 0.44 | | 0 | 0 | 22.5 | 6.91 | 0.39 | | 0 | 0 |
| 2 FJ Klopper School | 74.7 | 7.58 | 0.08 | 0.10 | 0 | 0 | 77.8 | 7.54 | 0.24 | | 19 | 26 | 20.8 | 7.46 | 0.19 | 0.15 | 0 | 0 |
| 3 Golden Harvest | 25.2 | 8.23 | 0.08 | | 0 | 0 | 25.9 | 7.61 | 0.32 | | 3 | 3 | 25.9 | 7.50 | 0.10 | | 2 | 0 |
| 4 Kwaggafontein School | 7.5 | 6.89 | 0.20 | | 0 | 0 | 7.2 | 6.61 | 0.52 | | 0 | 0 | N/D | N/D | N/D | | N/D | N/D |
| 5 Letamo Game Lodge | 22.5 | 8.26 | 0.74 | | 0 | 0 | 64.0 | 7.42 | 0.53 | | 0 | 0 | 76.8 | 7.52 | 0.20 | | 0 | 0 |
| 6 Little Farm Yard | 11.0 | 7.45 | 0.08 | | 0 | 0 | 9.8 | 6.98 | 0.34 | | 0 | 0 | 10.0 | 7.56 | 0.10 | | 0 | 0 |
| 7 Maanhaarrand | 29.1 | 8.06 | 0.08 | | 1 | 1 | 25.5 | 7.43 | 0.80 | | 120 | 169 | 29.7 | 7.40 | 0.19 | | 42 | 0 |
| 8 Maloney's Eye School | 18.1 | 7.85 | 0.17 | | 0 | 0 | 19.0 | 7.46 | 0.97 | | 0 | 0 | 18.6 | 7.51 | 0.48 | | 0 | 0 |
| 9 Migalsoord | 37.8 | 7.27 | 0.07 | | 0 | 0 | 36.2 | 7.23 | 0.21 | | 414 | 437 | 35.8 | 6.94 | 0.18 | | 3 | 0 |
| 10 Orient Hills | N/D | N/D | N/D | | N/D | N/D | N/D | N/D | N/D | | N/D | N/D | N/D | N/D | N/D | | N/D | N/D |
| 11 Protearidge Plot 124 | 37.1 | 8.24 | 0.11 | | 0 | 0 | 36.7 | 7.70 | 1.46 | | 5 | 4 | 37.4 | 7.66 | 0.11 | | 0 | 0 |
| 12 Satellite Station | 2.5 | 6.41 | 0.13 | | 0 | 0 | 2.4 | 6.33 | 2.09 | | 7 | 11 | 2.7 | 6.79 | 3.77 | | 0 | 0 |

| RURAL BOREHOLES WITHOUT STORAGE TANKS SAMPLE POINTS | | OCTOBER 2010 | | | | | | NOVEMBER 2010 | | | | | | DECEMBER 2010 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli | Electricity Conductivity | pH | Turbidity | Free Chlorine | Faecal Coliforms | Escherichia Coli |
| | | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml | mS/m | | NTU | mg/l | cfu/100ml | cfu/100ml |
| No. | Standard | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 | <150 | 5.0-9.5 | <1 | N/S | 0 | 0 |
| 1 | Boikarabelo | 68.5 | 8.37 | 0.76 | | 0 | 0 | 70.2 | 7.88 | 1.30 | | 0 | 0 | 67.0 | 8.15 | 0.91 | | 0 | 0 |
| 2 | Driefontein Plot 38 | 14.9 | 7.56 | 0.43 | | 0 | 0 | 14.6 | 7.28 | 0.46 | | 0 | 0 | 15.1 | 7.13 | 0.39 | | 0 | 0 |
| 3 | Harpers Café | 59.0 | 8.11 | 10.93 | | 0 | 0 | 9.7 | 6.46 | 1.18 | | 0 | 0 | 59.3 | 8.24 | 2.47 | | 6 | 16 |
| 4 | Radikgomo | 48.4 | 7.21 | 1.59 | | 0 | 0 | 48.5 | 6.99 | 4.89 | | 0 | 0 | 49.6 | 7.24 | 4.59 | | 0 | 0 |