

Result Summary Report

| | | | |
|------------------|-------------------------|----------|-----|
| Program: | Drinking Water Program | Barcode: | All |
| Date Range: | 01-01-2013 - 31-12-2013 | | |
| Water Utility: | All | | |
| Supply System: | Dorrigo BE02 | | |
| Town: | All | | |
| Analysis Type: | All | | |
| Characteristics: | All | | |
| Sample Types: | All | | |
| Laboratories: | All | | |
| Sample Count: | 487 | | |

| Analysis Type | Characteristic | Guideline Value | Units | Mean | Median | Standard Deviation | Min | Max | Sample Count | Exception Count | 95th Percentile | 5th Percentile | % meeting guideline values |
|---------------|----------------|-----------------|-------|--------|--------|--------------------|--------|--------|--------------|-----------------|-----------------|----------------|----------------------------|
| Chemistry | | | | | | | | | | | | | |
| | Aluminium | 0.2000 | mg/L | 0.0300 | 0.0300 | 0.0000 | 0.03 | 0.03 | 1 | 0 | 0.03 | 0.03 | 100.00 |
| | Antimony | 0.0030 | mg/L | 0.0005 | 0.0005 | 0.0000 | 0.0005 | 0.0005 | 1 | 0 | 0.0005 | 0.0005 | 100.00 |
| | Arsenic | 0.0100 | mg/L | 0.0005 | 0.0005 | 0.0000 | 0.0005 | 0.0005 | 1 | 0 | 0.0005 | 0.0005 | 100.00 |
| | Barium | 2.0000 | mg/L | 0.0080 | 0.0080 | 0.0000 | 0.008 | 0.008 | 1 | 0 | 0.008 | 0.008 | 100.00 |
| | Boron | 4.0000 | mg/L | 0.0500 | 0.0500 | 0.0000 | 0.05 | 0.05 | 1 | 0 | 0.05 | 0.05 | 100.00 |

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|------------------------------|----------------|------------------|---------|---------|--------|--------------------|---------|---------|--------------|-----------------|-----------------|----------------|----------------------------|------|
| Chemistry | Cadmium | 0.0020 | mg/L | 0.0003 | 0.0003 | 0.0000 | 0.00025 | 0.00025 | 1 | 0 | 0.00025 | 0.00025 | 100.00 | |
| | Calcium | 10000.0000 | mg/L | 6.8000 | 6.8000 | 0.0000 | 6.8 | 6.8 | 1 | 0 | 6.8 | 6.8 | 100.00 | |
| | Chloride | 250.0000 | mg/L | 5.0000 | 5.0000 | 0.0000 | 5 | 5 | 1 | 0 | 5 | 5 | 100.00 | |
| | Chromium | 0.0500 | mg/L | 0.0025 | 0.0025 | 0.0000 | 0.0025 | 0.0025 | 1 | 0 | 0.0025 | 0.0025 | 100.00 | |
| | Copper | 2.0000 | mg/L | 0.0025 | 0.0025 | 0.0000 | 0.0025 | 0.0025 | 1 | 0 | 0.0025 | 0.0025 | 100.00 | |
| | Fluoride | 1.5000 | mg/L | 1.1100 | 1.1100 | 0.0000 | 1.11 | 1.11 | 1 | 0 | 1.11 | 1.11 | 100.00 | |
| | Iodine | 0.5000 | mg/L | 0.0100 | 0.0100 | 0.0000 | 0.01 | 0.01 | 1 | 0 | 0.01 | 0.01 | 100.00 | |
| | Iron | 0.3000 | mg/L | 0.0300 | 0.0300 | 0.0000 | 0.03 | 0.03 | 1 | 0 | 0.03 | 0.03 | 100.00 | |
| | Lead | 0.0100 | mg/L | 0.0010 | 0.0010 | 0.0000 | 0.001 | 0.001 | 1 | 0 | 0.001 | 0.001 | 100.00 | |
| | Magnesium | 10000.0000 | mg/L | 0.4500 | 0.4500 | 0.0000 | 0.45 | 0.45 | 1 | 0 | 0.45 | 0.45 | 100.00 | |
| | Manganese | 0.5000 | mg/L | 0.0025 | 0.0025 | 0.0000 | 0.0025 | 0.0025 | 1 | 0 | 0.0025 | 0.0025 | 100.00 | |
| | Mercury | 0.0010 | mg/L | 0.0001 | 0.0001 | 0.0000 | 0.00005 | 0.00005 | 1 | 0 | 0.00005 | 0.00005 | 100.00 | |
| | Molybdenum | 0.0500 | mg/L | 0.0025 | 0.0025 | 0.0000 | 0.0025 | 0.0025 | 1 | 0 | 0.0025 | 0.0025 | 100.00 | |
| | Nickel | 0.0200 | mg/L | 0.0050 | 0.0050 | 0.0000 | 0.005 | 0.005 | 1 | 0 | 0.005 | 0.005 | 100.00 | |
| | Nitrate | 50.0000 | mg/L | 0.5000 | 0.5000 | 0.0000 | 0.5 | 0.5 | 1 | 0 | 0.5 | 0.5 | 100.00 | |
| | Nitrite | 3.0000 | mg/L | 0.0500 | 0.0500 | 0.0000 | 0.05 | 0.05 | 1 | 0 | 0.05 | 0.05 | 100.00 | |
| | pH | 6.5 - 8.5 | | | 8.9000 | 8.9000 | 0.0000 | 8.9 | 8.9 | 1 | 1 | 8.9 | 8.9 | 0.00 |
| | Selenium | 0.0100 | mg/L | 0.0010 | 0.0010 | 0.0000 | 0.001 | 0.001 | 1 | 0 | 0.001 | 0.001 | 100.00 | |
| | Silver | 0.1000 | mg/L | 0.0010 | 0.0010 | 0.0000 | 0.001 | 0.001 | 1 | 0 | 0.001 | 0.001 | 100.00 | |
| | Sodium | 180.0000 | mg/L | 4.0000 | 4.0000 | 0.0000 | 4 | 4 | 1 | 0 | 4 | 4 | 100.00 | |
| Sulfate | 500.0000 | mg/L | 8.0000 | 8.0000 | 0.0000 | 8 | 8 | 1 | 0 | 8 | 8 | 100.00 | | |
| Total Dissolved Solids (TDS) | 600.0000 | mg/L | 29.0000 | 29.0000 | 0.0000 | 29 | 29 | 1 | 0 | 29 | 29 | 100.00 | | |
| Total Hardness as CaCO3 | 200.0000 | mg/L | 18.8000 | 18.8000 | 0.0000 | 18.8 | 18.8 | 1 | 0 | 18.8 | 18.8 | 100.00 | | |
| True Colour | 15.0000 | Hazen Units (HU) | | 1.0000 | 1.0000 | 0.0000 | 1 | 1 | 1 | 0 | 1 | 1 | 100.00 | |

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|------------------|----------------------|-----------------|------------|--------|--------|--------------------|-------|-------|--------------|-----------------|-----------------|----------------|----------------------------|
| Chemistry | Turbidity | 5.0000 | NTU | 0.4000 | 0.4000 | 0.0000 | 0.4 | 0.4 | 1 | 0 | 0.4 | 0.4 | 100.00 |
| | Zinc | 3.0000 | mg/L | 0.0050 | 0.0050 | 0.0000 | 0.005 | 0.005 | 1 | 0 | 0.005 | 0.005 | 100.00 |
| Fluoride Barcode | | | | | | | | | | | | | |
| | Fluoride | 1.5000 | mg/L | 1.0310 | 1.0450 | 0.0788 | 0.88 | 1.16 | 10 | 0 | 1.16 | 0.88 | 100.00 |
| | Fluoride (WU result) | 1.5000 | mg/L | 0.2670 | 0.0950 | 0.3917 | 0 | 1 | 10 | 0 | 1 | 0 | 100.00 |
| | Fluoride Ratio | 0.8 - 1.2 | | 0.2500 | 0.0900 | 0.3530 | 0 | 0.93 | 10 | 8 | 0.93 | 0 | 20.00 |
| Fluoride Plant | | | | | | | | | | | | | |
| | Fluoride (daily WU) | 0.9 - 1.5 | mg/L | 0.9897 | 0.9900 | 0.0530 | 0.77 | 1.28 | 335 | 13 | 1.06 | 0.9 | 96.12 |
| | Fluoride (weekly WU) | 0.9 - 1.5 | mg/L | 0.9861 | 0.9800 | 0.0699 | 0.69 | 1.13 | 94 | 5 | 1.11 | 0.89 | 94.68 |
| Microbiology | | | | | | | | | | | | | |
| | E. coli | 0.0000 | cfu/100 mL | 0.0000 | 0.0000 | 0.0000 | 0 | 0 | 45 | 0 | 0 | 0 | 100.00 |
| | Free Chlorine | 0.2 - 5 | mg/L | 0.2608 | 0.2550 | 0.1663 | 0 | 0.57 | 38 | 15 | 0.51 | 0.01 | 60.53 |
| | Total Chlorine | 5.0000 | mg/L | 0.4850 | 0.4850 | 0.1202 | 0.4 | 0.57 | 2 | 0 | 0.57 | 0.4 | 100.00 |
| | Total Coliforms | 0.0000 | cfu/100 mL | 4.4889 | 0.0000 | 30.1124 | 0 | 202 | 45 | 1 | 0 | 0 | 97.78 |
| | Turbidity | 5.0000 | NTU | 0.2522 | 0.1900 | 0.2032 | 0.01 | 0.75 | 27 | 0 | 0.63 | 0.01 | 100.00 |