

| ANALYSES | ASHTON Sample no.: 17153 Date Sample: 2014/09/04 Date Analysed: 2014/09/04 | BONNIEVALE Sample no.: 17137 Date Sample: 2014/09/04 Date Analysed: 2014/09/04 | McGREGOR Sample no.: 17130 Date Sample: 2014/09/04 Date Analysed: 2014/09/04 | MONTAGU Sample no.: 17143 Date Sample: 2014/09/04 Date Analysed: 2014/09/04 | ROBERTSON Sample no.: 17120 Date Sample: 2014/09/04 Date Analysed: 2014/09/04 | SANS 241-1 2011 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------|
| pHs (at 25°C) | 9.47 | 9.59 | 9.85 | 8.87 | 9.64 | N/A |
| pH (at 25°C) | 6.46 | 6.46 | 6.20 | 6.22 | 6.59 | ≥ 5 - ≤ 9.7 Operational |
| Conductivity (mS/m) (at 25°C) | 16.6 | 15.9 | 8.5 | 29.7 | 7.3 | ≤ 170 Aesthetic |
| Turbidity (NTU) | 7.6 | 2.2 | 0.83 | 0.81 | 1.5 | ≤ 5 Aesthetic ≤ 1 Operational |
| Langelier Saturation Index (at 25°C) | -3.0 | -3.1 | -3.7 | -2.7 | -3.1 | N/A |
| Ryznar Index | -6.5 | -6.5 | -6.2 | -6.2 | -6.6 | N/A |
| Colour (mg/l as Pt) | 4 | 6 | <4 | <4 | <4 | ≤ 15 Aesthetic |
| CaCO ₃ Precipitation Potential (mg/l) | -24.3 | -2.0 | -34.9 | -94.0 | -20.7 | N/A |
| Total Alkalinity (mg/l as CaCO ₃) | 14.0 | <11.0 | 11.3 | 38.7 | 15.2 | N/A |
| Total Hardness (mg/l as CaCO ₃) | 39.3 | 38.0 | 16.8 | 60.6 | 18.6 | N/A |
| Calcium (mg/l as Ca) | 6.8 | 6.5 | 3.4 | 10.0 | 4.0 | N/A |
| Magnesium (mg/l as Mg) | 5.5 | 5.3 | 2.0 | 8.7 | 2.1 | N/A |
| Aluminium (ug/l asAl) | 2116 | 534 | 281 | 287 | 276 | ≤ 300 Operational |
| Iron (ug/l asFe) | 413 | 87 | <24 | <24 | 69 | ≤ 300 Aesthetic ≤ |

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|-------------------------------------------------|------|------|------|------|------|------------------------------|
| | | | | | | 2000 Chronic Health |
| Free Chlorine (mg/l) | 1.7 | 1.0 | 0.05 | 2.5 | 0.47 | ≤ 5.0 Chronic Health |
| E.coli (count per 100ml) | <1 | <1 | <1 | <1 | <1 | Not Detected Acute Health -1 |
| Total Coliform Bacteria (count per 100ml) | <1 | <1 | <1 | <1 | <1 | ≤ 10 Operational |
| Calcium Hardness (mg/l as CaCO ₃) | 16.9 | 16.2 | 8.5 | 25.0 | 10.0 | N/A |
| Magnesium Hardness (mg/l as CaCO ₃) | 22.4 | 21.9 | 8.3 | 35.7 | 8.6 | N/A |
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