

| <b>ANALYSES</b>                                        | <b>ASHTON<br/>Sample no.:<br/>7498<br/>Date Sample:<br/>2016/04/07<br/>Date Analysed:<br/>2016/04/08</b> | <b>BONNIEVALE<br/>Sample no.:<br/>7487<br/>Date Sample:<br/>2016/04/07<br/>Date Analysed:<br/>2016/04/08</b> | <b>McGREGOR<br/>Sample no.:<br/>7482<br/>Date Sample:<br/>2016/04/07<br/>Date Analysed:<br/>2016/04/08</b> | <b>MONTAGU<br/>Sample no.:<br/>7492<br/>Date Sample:<br/>2016/04/07<br/>Date Analysed:<br/>2016/04/08</b> | <b>ROBERTSON<br/>Sample no.:<br/>7476<br/>Date Sample:<br/>2016/04/07<br/>Date Analysed:<br/>2016/04/08</b> | <b>SANS 241-1 2011</b>            |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|
| pH (at 25°C)                                           | 8.00                                                                                                     | 8.11                                                                                                         | 8.06                                                                                                       | 8.14                                                                                                      | 7.23                                                                                                        | ≥ 5 - ≤ 9.7<br>Operational        |
| Conductivity<br>(mS/m) (at 25°C)                       | 54.0                                                                                                     | 72.0                                                                                                         | 12.5                                                                                                       | 69.5                                                                                                      | 11.0                                                                                                        | ≤ 170 Aesthetic                   |
| Turbidity (NTU)                                        | 0.35                                                                                                     | 0.37                                                                                                         | 0.87                                                                                                       | 0.47                                                                                                      | 1.1                                                                                                         | ≤ 5 Aesthetic ≤ 1<br>Operational  |
| Langelier<br>Saturation Index<br>(at 25°C)             | -0.77                                                                                                    | -0.48                                                                                                        | -1.7                                                                                                       | -0.35                                                                                                     | -2.6                                                                                                        | N/A                               |
| Ryznar Index                                           | -7.1                                                                                                     | -7.2                                                                                                         | -6.8                                                                                                       | -7.9                                                                                                      | -6.1                                                                                                        | N/A                               |
| Colour (mg/l as<br>Pt)                                 | 7                                                                                                        | 5                                                                                                            | 11                                                                                                         | 8                                                                                                         | 4                                                                                                           | ≤ 15 Aesthetic                    |
| CaCO <sub>3</sub><br>Precipitation<br>Potential (mg/l) | -3.9                                                                                                     | -2.8                                                                                                         | -6.8                                                                                                       | -2.3                                                                                                      | -8.1                                                                                                        | N/A                               |
| Total Alkalinity<br>(mg/l as CaCO <sub>3</sub> )       | 39.8                                                                                                     | 46.9                                                                                                         | 20.1                                                                                                       | 53.4                                                                                                      | <11.0                                                                                                       | N/A                               |
| Total Hardness<br>(mg/l as CaCO <sub>3</sub> )         | 82.2                                                                                                     | 113                                                                                                          | 14.0                                                                                                       | 118                                                                                                       | 20.0                                                                                                        | N/A                               |
| Calcium (mg/l as<br>Ca)                                | 12.7                                                                                                     | 17.0                                                                                                         | 2.5                                                                                                        | 18.5                                                                                                      | 3.9                                                                                                         | N/A                               |
| Magnesium (mg/l<br>as Mg)                              | 50.4                                                                                                     | 70.1                                                                                                         | 7.8                                                                                                        | 71.3                                                                                                      | 2.5                                                                                                         | N/A                               |
| Aluminium (ug/l<br>asAl)                               | 139                                                                                                      | 112                                                                                                          | 509                                                                                                        | 291                                                                                                       | 101                                                                                                         | ≤ 300 Operational                 |
| Iron (ug/l asFe)                                       | 26                                                                                                       | 27                                                                                                           | 40                                                                                                         | 40                                                                                                        | 48                                                                                                          | ≤ 300 Aesthetic ≤<br>2000 Chronic |

