

<b>ANALYSES</b>	<b>ASHTON Sample no.: 421 Date Sample: 2016/01/07 Date Analysed: 2016/01/08</b>	<b>BONNIEVALE Sample no.: 405 Date Sample: 2016/01/07 Date Analysed: 2016/01/08</b>	<b>McGREGOR Sample no.: 398 Date Sample: 2016/01/07 Date Analysed: 2016/01/08</b>	<b>MONTAGU Sample no.: 411 Date Sample: 2016/01/07 Date Analysed: 2016/01/08</b>	<b>ROBERTSON Sample no.: 388 Date Sample: 2016/01/07 Date Analysed: 2016/01/08</b>	<b>SANS 241-1 2011</b>
pH (at 25°C)	7.62	7.73	7.55	8.04	7.74	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	60.0	59.0	14.0	59.0	11.0	≤ 170 Aesthetic
Turbidity (NTU)	2.3	1.7	1.6	2.0	10.0	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.3	-0.94	-1.4	-0.74	-2.3	N/A
Ryznar Index	10.3	9.6	10.3	9.5	12.3	N/A
Colour (mg/l as Pt)	6	<4	<4	<4	8	≤ 15 Aesthetic
CaCO <sub>3</sub> Precipitation Potential (mg/l)	-7.4	-5.4	-3.7	-4.1	-7.7	N/A
Total Alkalinity (mg/l as CaCO <sub>3</sub> )	39.0	43.2	16.0	44.5	<11.0	N/A
Total Hardness (mg/l as CaCO <sub>3</sub> )	76.9	119	109	95.2	18.5	N/A
Calcium (mg/l as Ca)	8.7	14.9	20.8	11.2	2.3	N/A
Magnesium (mg/l as Mg)	13.5	19.9	13.8	16.4	3.1	N/A
Aluminium (ug/l asAl)	308	350	360	220	326	≤ 300 Operational
Iron (ug/l asFe)	<24	<24	<24	<24	230	≤ 300 Aesthetic ≤ 2000 Chronic

						<0.05Health
Free Chlorine (mg/l)	0.08	0.37	1.2	1.2	0.33	≤ 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 <sub>3</sub> )	21.8	37.3	52.0	28.0	5.8	N/A
Magnesium Hardness (mg/l as CaCO <sub>3</sub> )	55.2	81.5	56.6	67.2	12.7	N/A
Heterotrophic Plate Count (count per ml)	280	210	20	5	20	≤ 1000 Operational