

<b>ANALYSES</b>	<b>ASHTON</b> Sample no.: 5011 Date Sample: 2016/03/03 Date Analysed: 2016/03/04	<b>BONNIEVALE</b> Sample no.: 4995 Date Sample: 2016/03/03 Date Analysed: 2016/03/04	<b>McGREGOR</b> Sample no.: 4988 Date Sample: 2016/03/03 Date Analysed: 2016/03/04	<b>MONTAGU</b> Sample no.: 5001 Date Sample: 2016/03/03 Date Analysed: 2016/03/04	<b>ROBERTSON</b> Sample no.: 4793 Date Sample: 2016/03/03 Date Analysed: 2016/03/04	<b>SANS 241-1 2011</b>
pH (at 25°C)	7.04	7.23	5.86	7.26	6.89	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	62.5	70.5	12.0	70.0	16.0	≤ 170 Aesthetic
Turbidity (NTU)	2.1	0.51	0.56	0.58	1.9	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.8	-1.5	-4.4	-1.4	-3.0	N/A
Ryznar Index	10.7	10.3	-5.9	10.1	12.8	N/A
Colour (mg/l as Pt)	<4	<4	<4	<4	<4	≤ 15 Aesthetic
CaCO <sub>3</sub> Precipitation Potential (mg/l)	-16.8	-13.0	-69.5	-11.9	-13.0	N/A
Total Alkalinity (mg/l as CaCO <sub>3</sub> )	37.1	42.9	<11.0	43.3	14.5	N/A
Total Hardness (mg/l as CaCO <sub>3</sub> )	81.9	90.8	11.1	98.8	19.1	N/A
Calcium (mg/l as Ca)	11.1	12.2	1.5	15.4	2.7	N/A
Magnesium (mg/l as Mg)	13.2	14.7	1.8	14.7	3.0	N/A
Aluminium (ug/l asAl)	868	291	249	200	30	≤ 300 Operational
Iron (ug/l asFe)	<24	<24	<24	<24	<24	≤ 300 Aesthetic ≤ 2000 Chronic

						<0.05Health
Free Chlorine (mg/l)	0.10	0.15	0.13	2.7	0.72	≤ 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> )	27.8	30.5	3.8	38.5	6.8	N/A
Magnesium Hardness (mg/l as CaCO <sub>3</sub> )	54.1	60.3	7.4	60.3	12.3	N/A
Heterotrophic Plate Count (count per ml)	420	990	980	7	<1	≤ 1000 Operational