

ANALYSES	ASHTON Sample no.: 11523 Date Sample: 2016/06/02 Date Analysed: 2016/06/03	BONNIEVALE Sample no.: 11513 Date Sample: 2016/06/02 Date Analysed: 2016/06/03	McGREGOR Sample no.: 11508 Date Sample: 2016/06/02 Date Analysed: 2016/06/03	MONTAGU Sample no.: 11517 Date Sample: 2016/06/02 Date Analysed: 2016/06/03	ROBERTSON Sample no.: 11502 Date Sample: 2016/06/02 Date Analysed: 2016/06/03	SANS 241-1 2011
pH (at 25°C)	7.18	7.21	7.13	7.20	7.20	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	76.5	98.0	10.5	52.5	8.5	≤ 170 Aesthetic
Turbidity (NTU)	1.4	1.2	1.2	0.50	1.6	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.3	-1.1	-3.3	-1.5	-2.7	N/A
Ryznar Index	9.8	9.3	13.8	10.2	12.6	N/A
Colour (mg/l as Pt)	5	<4	<4	<4	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-17.4	-17.7	-9.6	-15.7	-8.8	N/A
Total Alkalinity (mg/l as CaCO ₃)	60.0	72.0	6.0	52.0	12.0	N/A
Total Hardness (mg/l as CaCO ₃)	115	162	11.4	75.3	13.8	N/A
Calcium (mg/l as Ca)	16.9	23.5	1.6	11.9	2.9	N/A
Magnesium (mg/l as Mg)	17.8	25.1	1.8	11.1	1.6	N/A
Aluminium (ug/l asAl)	96	461	463	66	508	≤ 300 Operational
Iron (ug/l asFe)	29	63	<24	30	43	≤ 300 Aesthetic ≤ 2000 Chronic

						<0.05Health
Free Chlorine (mg/l)	0.22	0.09	2.1	0.31	1.2	≤ 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)	42.3	58.8	4.0	29.8	7.3	N/A
Magnesium Hardness (mg/l as CaCO ₃)	73.0	103	7.4	45.5	6.6	N/A
Heterotrophic Plate Count (count per ml)	<1	56	<1	<1	<1	≤ 1000 Operational