

ANALYSES	ASHTON Sample no.: 20065 Date Sample: 2015/10/01 Date Analysed: 2015/10/02	BONNIEVALE Sample no.: 20049 Date Sample: 2015/10/01 Date Analysed: 2015/10/02	McGREGOR Sample no.: 20042 Date Sample: 2015/10/01 Date Analysed: 2015/10/02	MONTAGU Sample no.: 20055 Date Sample: 2015/10/01 Date Analysed: 2015/10/02	ROBERTSON Sample no.: 20032 Date Sample: 2015/10/01 Date Analysed: 2015/10/02	SANS 241-1 2011
pH (at 25°C)	7.45	8.50	6.37	7.33	7.05	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	72.5	133	12.5	37.0	53.5	≤ 170 Aesthetic
Turbidity (NTU)	0.53	0.65	0.39	0.66	1.5	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-0.98	0.62	-3.8	-1.8	-2.0	N/A
Ryznar Index	9.4	7.3	13.9	11.0	11.0	N/A
Colour (mg/l as Pt)	<4	9.0	<4	<4	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-9.3	7.6	-24.6	-8.3	-13.6	N/A
Total Alkalinity (mg/l as CaCO ₃)	56.7	115	<11.0	24.0	28.1	N/A
Total Hardness (mg/l as CaCO ₃)	130	260	11.3	56.1	66.4	N/A
Calcium (mg/l as Ca)	19.9	38.2	1.9	8.5	10.0	N/A
Magnesium (mg/l as Mg)	19.5	40.1	1.6	8.5	10.1	N/A
Aluminium (ug/l asAl)	56	280	236	241	336	≤ 300 Operational
Iron (ug/l asFe)	37	<24	<24	35	26	≤ 300 Aesthetic ≤ 2000 Chronic

						Health
Free Chlorine (mg/l)	0.10	0.09	0.09	0.05	0.28	≤ 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)	49.8	95.5	4.8	21.3	25.0	N/A
Magnesium Hardness (mg/l as CaCO ₃)	80.0	164	6.6	34.9	41.4	N/A
Heterotrophic Plate Count (count per ml)	77.0	670	<1	340	990	≤ 1000 Operational