

ANALYSES	ASHTON Sample no.: 10856 Date Sample: 2014/06/05 Date Analysed: 2014/06/05	BONNIEVALE Sample no.: 10848 Date Sample: 2014/06/05 Date Analysed: 2014/06/05	McGREGOR Sample no.: 10843 Date Sample: 2014/06/05 Date Analysed: 2014/06/05	MONTAGU Sample no.: 10851 Date Sample: 2014/06/05 Date Analysed: 2014/06/05	ROBERTSON Sample no.: 10838 Date Sample: 2014/06/05 Date Analysed: 2014/06/05	SANS 241-1 2011
pHs (at 25°C)	9.46	9.78	9.95	8.59	9.34	N/A
pH (at 25°C)	6.90	6.54	6.87	6.64	7.05	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	24.1	10.3	10.0	17.4	16.8	≤ 170 Aesthetic
Turbidity (NTU)	1.2	7.6	0.98	1.7	1.4	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-2.6	-3.2	-3.1	-1.9	-2.3	N/A
Ryznar Index	12.0	-6.5	-6.9	10.5	-7.1	N/A
Colour (mg/l as Pt)	<1	<1	5	<1	15	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-11.2	-18.9	-13.1	-95.4	-11.4	N/A
Total Alkalinity (mg/l as CaCO ₃)	13.7	11.9	14.0	121	20.2	N/A
Total Hardness (mg/l as CaCO ₃)	43.4	21.4	12.5	34.8	35.7	N/A
Calcium (mg/l as Ca)	7.2	3.8	2.2	5.9	6.3	N/A
Magnesium (mg/l as Mg)	6.2	2.9	1.7	4.9	4.9	N/A
Aluminium (ug/l asAl)	237	3944	361	274	149	≤ 300 Operational

Iron ($\mu\text{g/l}$ asFe)	27	235	27	29	44	≤ 300 Aesthetic ≤ 2000 Chronic Health
Free Chlorine (mg/l)	2.3	0.05	0.07	3.0	0.43	≤ 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)	18.0	9.4	5.5	14.8	15.7	N/A
Magnesium Hardness (mg/l as CaCO ₃)	25.4	12.0	7.0	20.1	20.0	N/A