

ANALYSES	ASHTON Sample no.: 18179 Date Sample: 2015/09/03 Date Analysed: 2015/09/04	BONNIEVALE Sample no.: 18163 Date Sample: 2015/09/03 Date Analysed: 2015/09/04	McGREGOR Sample no.: 18156 Date Sample: 2015/09/03 Date Analysed: 2015/09/04	MONTAGU Sample no.: 18169 Date Sample: 2015/09/03 Date Analysed: 2015/09/04	ROBERTSON Sample no.: 18146 Date Sample: 2015/09/03 Date Analysed: 2015/09/04	SANS 241-1 2011
pH (at 25°C)	7.37	7.46	6.72	7.35	7.31	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	69.0	75.5	8.0	44.0	30.0	≤ 170 Aesthetic
Turbidity (NTU)	0.99	4.3	0.61	0.86	1.3	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.5	-1.3	-3.2	-1.7	-1.8	N/A
Ryznar Index	10.3	10.0	13.1	10.7	10.9	N/A
Colour (mg/l as Pt)	6	<4	<4	<4	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-8.7	-8.2	-13.7	-7.6	-7.8	N/A
Total Alkalinity (mg/l as CaCO ₃)	33.8	40.6	<11.0	24.1	22.2	N/A
Total Hardness (mg/l as CaCO ₃)	90.8	98.9	17.8	71.9	70.9	N/A
Calcium (mg/l as Ca)	13.7	14.8	3.0	11.2	10.0	N/A
Magnesium (mg/l as Mg)	13.8	15.1	2.5	10.7	11.2	N/A
Aluminium (ug/l asAl)	115	766	350	905	425	≤ 300 Operational
Iron (ug/l asFe)	59	124	360	90	65	≤ 300 Aesthetic ≤ 2000 Chronic

						Health
Free Chlorine (mg/l)	1.2	0.20	0.14	0.25	0.40	≤ 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)	34.3	37.0	7.5	28.0	25.0	N/A
Magnesium Hardness (mg/l as CaCO ₃)	56.6	61.9	10.3	43.9	45.9	N/A
Heterotrophic Plate Count (count per ml)	<1	10	10	30	280	≤ 1000 Operational