

ANALYSES	ASHTON Sample no.: 24812 Date Sample: 2015/12/03 Date Analysed: 2015/12/04	BONNIEVALE Sample no.: 24802 Date Sample: 2015/12/03 Date Analysed: 2015/12/04	McGREGOR Sample no.: 24797 Date Sample: 2015/12/03 Date Analysed: 2015/12/04	MONTAGU Sample no.: 24806 Date Sample: 2015/12/03 Date Analysed: 2015/12/04	ROBERTSON Sample no.: 24521 Date Sample: 2015/12/03 Date Analysed: 2015/12/04	SANS 241-1 2011
pH (at 25°C)	7.40	7.20	6.23	7.43	7.75	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	87.0	67.0	11.5	60.5	13.0	≤ 170 Aesthetic
Turbidity (NTU)	0.59	2.1	1.1	0.42	3.3	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.6	-1.3	-3.9	-1.3	-2.1	N/A
Ryznar Index	10.6	9.8	14.1	10.0	11.9	N/A
Colour (mg/l as Pt)	<4	<4	9	<4	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-13.0	-14.8	-32.3	-8.1	-6.6	N/A
Total Alkalinity (mg/l as CaCO ₃)	54.6	52.1	<11.0	38.3	<11.0	N/A
Total Hardness (mg/l as CaCO ₃)	31.1	120	9.0	85.2	21.1	N/A
Calcium (mg/l as Ca)	5.7	19.2	1.8	15.2	4.0	N/A
Magnesium (mg/l as Mg)	4.1	17.6	<1.1	11.5	2.7	N/A
Aluminium (ug/l asAl)	<12	385	657	37	33	≤ 300 Operational
Iron (ug/l asFe)	<24	<24	<24	<24	<24	≤ 300 Aesthetic ≤ 2000 Chronic

						<0.05Health
Free Chlorine (mg/l)	0.42	0.86	1.5	1.5	<0.05	≤ 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)	14.3	48.0	4.5	38.0	10.0	N/A
Magnesium Hardness (mg/l as CaCO ₃)	16.8	72.2	4.5	47.2	11.1	N/A
Heterotrophic Plate Count (count per ml)	710	188	80	5	<1	≤ 1000 Operational