

ANALYSES	ASHTON Sample no.: 15324 Date Sample: 2014/08/07 Date Analysed: 2014/08/07	BONNIEVALE Sample no.: 15298 Date Sample: 2014/08/07 Date Analysed: 2014/08/07	McGREGOR Sample no.: 15265 Date Sample: 2014/08/07 Date Analysed: 2014/08/07	MONTAGU Sample no.: 15307 Date Sample: 2014/08/07 Date Analysed: 2014/08/07	ROBERTSON Sample no.: 15222 Date Sample: 2014/08/07 Date Analysed: 2014/08/07	SANS 241-1 2011
pHs (at 25°C)	9.57	9.39	9.97	9.38	9.55	≥5 ≤9.7 Operational
pH (at 25°C)	6.92	7.40	6.80	7.15	7.18	≥5 ≤9.7 Operational
Conductivity (mS/m) (at 25°C)	17.3	27.1	8.7	29.5	14.7	≤ 170 Aesthetic
Turbidity (NTU)	2.0	2.6	0.43	1.4	2.9	≤1 Aesthetic ≤5 Operational
Langelier Saturation Index (at 25°C)	-2.7	-2.1	-3.2	-2.2	-2.4	N/A
Ryznar Index	12.2	11.4	13.2	11.6	-7.2	N/A
Colour (mg/l as Pt)	<4	<4	<4	<4	<4	≤15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-10.4	-6.7	-12.5	-8.8	-9.0	N/A
Total Alkalinity (mg/l as CaCO ₃)	12.5	15.6	<11.0	16.2	16.0	N/A
Total Hardness (mg/l as CaCO ₃)	34.9	43.6	13.9	43.4	27.8	N/A
Calcium (mg/l as Ca)	6.0	7.4	2.6	7.4	4.8	N/A
Magnesium (mg/l as Mg)	4.9	6.1	1.8	6.1	3.9	N/A
Aluminium (ug/l asAl)	375	5.8	158	664	279	≤300 Operational

Iron ($\mu\text{g/l}$ asFe)	9.0	74	24	25	87	≤ 15 Aesthetic ≤ 2000 Chronic Health
Free Chlorine (mg/l)	1.0	1.1	0.17	2.5	<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	Not Detected Acute Health -1
Calcium Hardness (mg/l as CaCO ₃)	15.0	18.6	6.5	18.5	12.0	N/A
Magnesium Hardness (mg/l as CaCO ₃)	19.9	25.0	7.4	24.9	15.5	N/A