

ANALYSES	ASHTON Sample no.: 402 Date Sample: 2016/02/03 Date Analysed: 2016/02/05	BONNIEVALE Sample no.: 405 Date Sample: 2016/02/03 Date Analysed: 2016/02/05	McGREGOR Sample no.: 398 Date Sample: 2016/02/03 Date Analysed: 2016/02/05	MONTAGU Sample no.: 411 Date Sample: 2016/02/03 Date Analysed: 2016/02/05	ROBERTSON Sample no.: 388 Date Sample: 2016/02/03 Date Analysed: 2016/02/05	SANS 241-1 2011
pH (at 25°C)	7.20	7.46	6.31	7.31	6.36	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	67.0	78.5	13.5	66.5	9.0	≤ 170 Aesthetic
Turbidity (NTU)	1.0	0.51	4.8	0.84	4.4	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.8	-1.4	-4.1	-1.5	-3.8	N/A
Ryznar Index	-7.2	-7.5	-6.3	10.3	-6.4	N/A
Colour (mg/l as Pt)	<4	<4	<4	<4	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-12.2	-8.7	-27.7	13.8	-25.1	N/A
Total Alkalinity (mg/l as CaCO ₃)	33.0	37.8	<11.0	46.0	<11.0	N/A
Total Hardness (mg/l as CaCO ₃)	72.3	81.0	9.9	83.0	10.5	N/A
Calcium (mg/l as Ca)	8.6	10.6	1.0	10.4	1.9	N/A
Magnesium (mg/l as Mg)	12.4	13.3	1.8	13.9	1.4	N/A
Aluminium (ug/l asAl)	60	70	90	379	360	≤ 300 Operational
Iron (ug/l asFe)	<24	<24	<24	<24	160	≤ 300 Aesthetic ≤ 2000 Chronic

						<0.05Health
Free Chlorine (mg/l)	0.27	0.09	0.20	0.10	0.19	≤ 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)	21.5	26.5	2.5	26.0	4.8	N/A
Magnesium Hardness (mg/l as CaCO ₃)	50.8	54.5	7.4	57.0	5.7	N/A
Heterotrophic Plate Count (count per ml)	7	28	4	10	8	≤ 1000 Operational