

ANALYSES	ASHTON Sample no.: 11900 Date Sample: 2015/06/04 Date Analysed: 2015/06/05	BONNIEVALE Sample no.: 11889 Date Sample: 2015/06/04 Date Analysed: 2015/06/05	McGREGOR Sample no.: 11884 Date Sample: 2015/06/04 Date Analysed: 2015/06/05	MONTAGU Sample no.: 12497 Date Sample: 2015/06/04 Date Analysed: 2015/06/05	ROBERTSON Sample no.: 11878 Date Sample: 2015/06/04 Date Analysed: 2015/06/05	SANS 241-1 2011
pH (at 25°C)	7.19	7.45	6.92	6.51	7.43	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	79.5	108	9.5	36.5	11.5	≤ 170 Aesthetic
Turbidity (NTU)	0.22	2.8	0.79	5.3	3.5	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.2	-0.71	-3.2	-2.4	-2.1	N/A
Ryznar Index	9.5	8.9	13.4	11.2	11.6	N/A
Colour (mg/l as Pt)	<4	<4	<4	<4	4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-17.2	-11.0	-11.5	-38.2	-7.5	N/A
Total Alkalinity (mg/l as CaCO ₃)	63.4	84.2	<11.0	27.8	18.7	N/A
Total Hardness (mg/l as CaCO ₃)	135	178	10.4	72.7	20.8	N/A
Calcium (mg/l as Ca)	20.9	25.8	1.7	14.3	4.4	N/A
Magnesium (mg/l as Mg)	20.2	27.6	1.5	9.0	2.4	N/A
Aluminium (ug/l asAl)	52	461	240	617	1016	≤ 300 Operational
Iron (ug/l asFe)	45	64	<24	56	135	≤ 300 Aesthetic ≤ 2000 Chronic Health

Free Chlorine (mg/l)	0.40	0.19	0.14	0.15	0.58	≤ 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	4	1	<1	≤ 10 Operational
Calcium Hardness (mg/l as CaCO ₃)	52.3	64.5	4.3	35.8	11.0	N/A
Magnesium Hardness (mg/l as CaCO ₃)	82.8	113	6.2	36.9	9.8	N/A