Chapman Creek Water Potability Test Results

Date: March 3, 2016

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-18	GCDWQ[3]	
Misc. Inorganics				AO/MAC[4]
Fluoride (F)	mg/L	ND	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	ND	**3.2**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	4.40	**80-100**	AO
Nitrate (N)	mg/L	ND	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	5.49		
Alkalinity (PP as CaCO3)	mg/L	ND		
Bicarbonate (HCO3)	mg/L	6.70		
Carbonate (CO3)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO4)	mg/L	0.85	**500**	AO
Dissolved Chloride (Cl)	mg/L	12	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	ND	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	ND		
Physical Properties				
Conductivity	uS/cm	65.1		
pH	pH units	7.11	**6.5-8.5**	AO
Physical Properties				
Total Dissolved Solids	mg/L	32	**500**	AO
Turbidity	NTU	0.11	**1**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	89.2	**200**	AO
Total Antimony (Sb)	ug/L	ND	**6**	MAC
Total Arsenic (As)	ug/L	ND	**10**	MAC
Total Barium (Ba)	ug/L	2.0	**1000**	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	**5000**	MAC
Total Cadmium (Cd)	ug/L	ND	**5**	MAC
Total Chromium (Cr)	ug/L	ND	**50**	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	6.99	**1000**	AO
Total Iron (Fe)	ug/L	6.2	**300**	AO
Total Lead (Pb)	ug/L	1.54	**10**	MAC
Total Manganese (Mn)	ug/L	ND	**50**	AO
Total Mercury (Hg)	ug/L	ND	**1**	MAC

Total Molybdenum (Mo)	ug/L	ND		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	**10**	MAC
Total Silicon (Si)	ug/L	1460		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	6.6		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	**20**	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	ND	**5000**	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	1.48		
Total Mangesium (Mg)	mg/L	0.171		
Total Potassium (K)	mg/L	0.065		
Total Sodium (Na)	mg/L	11.8	**200**	AO
Total Sulphur (S)	mg/L	5.0		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guidline)

4 - AO/MAC (Aesthetic objective / Maximum Acceptable Concentration)

South PenderWater Potability Test Results

Date: March 1, 2016

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-01	GCDWQ[3]	
Misc. Inorganics				AO/MAC[4]
Fluoride (F)	mg/L	ND	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	ND	**3.2**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	9.95	**80-100**	AO
Nitrate (N)	mg/L	ND	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	12.8		
Alkalinity (PP as CaCO3)	mg/L	ND		
Bicarbonate (HCO3)	mg/L	15.6		
Carbonate (CO3)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO4)	mg/L	1.64	**500**	AO
Dissolved Chloride (Cl)	mg/L	8.5	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	ND	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	ND		
Physical Properties				
Conductivity	uS/cm	60.8		
pH	pH units	7.32	**6.5-8.5**	AO
Physical Properties				
Total Dissolved Solids	mg/L	30	**500**	AO
Turbidity	NTU	ND	**1**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	19.3	**200**	AO
Total Antimony (Sb)	ug/L	ND	**6**	MAC
Total Arsenic (As)	ug/L	0.13	**10**	MAC
Total Barium (Ba)	ug/L	4.0	**1000**	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	**5000**	MAC
Total Cadmium (Cd)	ug/L	ND	**5**	MAC
Total Chromium (Cr)	ug/L	ND	**50**	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	92.9	**1000**	AO
Total Iron (Fe)	ug/L	6.7	**300**	AO
Total Lead (Pb)	ug/L	0.49	**10**	MAC
Total Manganese (Mn)	ug/L	1.2	**50**	AO
Total Mercury (Hg)	ug/L	ND	**1**	MAC

Total Molybdenum (Mo)	ug/L	2.6		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	**10**	MAC
Total Silicon (Si)	ug/L	5110		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	15.7		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	**20**	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	ND	**5000**	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	3.19		
Total Mangesium (Mg)	mg/L	0.483		
Total Potassium (K)	mg/L	0.448		
Total Sodium (Na)	mg/L	8.22	**200**	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guidline)

4 - AO/MAC (Aesthetic objective / Maximum Acceptable Concentration)

North Pender Water Potability Test Results

Date: March 1, 2016

Sample collected for North Pender Water System

PARAMETERS	UNITS	NP-02	GCDWQ[3]	
Misc. Inorganics				AO/MAC[4]
Fluoride (F)	mg/L	0.015	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	ND	**3.2**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	17.7	**80-100**	AO
Nitrate (N)	mg/L	0.048	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	17.4		
Alkalinity (PP as CaCO3)	mg/L	ND		
Bicarbonate (HCO3)	mg/L	21.2		
Carbonate (CO3)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO4)	mg/L	2.91	**500**	AO
Dissolved Chloride (Cl)	mg/L	7.7	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	ND	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.048		
Physical Properties				
Conductivity	uS/cm	72.2		
pH	pH units	7.47	**6.5-8.5**	AO
Physical Properties				
Total Dissolved Solids	mg/L	46	**500**	AO
Turbidity	NTU	0.42	**1**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	17.7	**200**	AO
Total Antimony (Sb)	ug/L	ND	**6**	MAC
Total Arsenic (As)	ug/L	0.20	**10**	MAC
Total Barium (Ba)	ug/L	2.4	**1000**	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	**5000**	MAC
Total Cadmium (Cd)	ug/L	ND	**5**	MAC
Total Chromium (Cr)	ug/L	ND	**50**	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	5.23	**1000**	AO
Total Iron (Fe)	ug/L	48.6	**300**	AO
Total Lead (Pb)	ug/L	ND	**10**	MAC
Total Manganese (Mn)	ug/L	1.9	**50**	AO
Total Mercury (Hg)	ug/L	ND	**1**	MAC

Total Molybdenum (Mo)	ug/L	1.5		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	**10**	MAC
Total Silicon (Si)	ug/L	3190		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	25.1		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	**20**	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	ND	**5000**	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	5.40		
Total Mangesium (Mg)	mg/L	1.01		
Total Potassium (K)	mg/L	0.653		
Total Sodium (Na)	mg/L	6.99	**200**	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the

4 - AO/MAC (Aesthetic objective / Maximum Acceptable Concentration)

Eastbourne Water Potability Test Results

Date: March 30, 2016

Sample collected for Eastbourne Water System

PARAMETERS	UNITS	20.1	GCDWQ[3]	
Misc. Inorganics				AO/MAC[4]
Fluoride (F)	mg/L	0.092	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	ND	**3.2**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	19.7	**80-100**	AO
Nitrate (N)	mg/L	0.433	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	31.9		
Alkalinity (PP as CaCO3)	mg/L	ND		
Bicarbonate (HCO3)	mg/L	38.9		
Carbonate (CO3)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO4)	mg/L	6.62	**500**	AO
Dissolved Chloride (Cl)	mg/L	8.3	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	ND	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.433		
Physical Properties				
Conductivity	uS/cm	107		
pH	pH units	7.4	**6.5-8.5**	AO
Physical Properties				
Total Dissolved Solids	mg/L	50	**500**	AO
Turbidity	NTU	ND	**1**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	19.3	**200**	AO
Total Antimony (Sb)	ug/L	ND	**6**	MAC
Total Arsenic (As)	ug/L	1.73	**10**	MAC
Total Barium (Ba)	ug/L	13.1	**1000**	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	**5000**	MAC
Total Cadmium (Cd)	ug/L	ND	**5**	MAC
Total Chromium (Cr)	ug/L	ND	**50**	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	8.51	**1000**	AO
Total Iron (Fe)	ug/L	ND	**300**	AO
Total Lead (Pb)	ug/L	0.62	**10**	MAC
Total Manganese (Mn)	ug/L	1.5	**50**	AO
Total Mercury (Hg)	ug/L	ND	**1**	MAC

Total Molybdenum (Mo)	ug/L	ND		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	**10**	MAC
Total Silicon (Si)	ug/L	10600		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	49.7		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	**20**	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	7.3	**5000**	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	4.97		
Total Mangesium (Mg)	mg/L	1.77		
Total Potassium (K)	mg/L	0.845		
Total Sodium (Na)	mg/L	13.9	**200**	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guidline)

4 - AO/MAC (Aesthetic objective / Maximum Acceptable Concentration)

Langdale Water Potability Test Results

Date: March 3, 2016

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-01	GCDWQ[3]	
Misc. Inorganics				AO/MAC[4]
Fluoride (F)	mg/L	0.046	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	ND	**3.2**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	37.5	**80-100**	AO
Nitrate (N)	mg/L	0.194	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	36.5		
Alkalinity (PP as CaCO3)	mg/L	ND		
Bicarbonate (HCO3)	mg/L	44.5		
Carbonate (CO3)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO4)	mg/L	10.7	**500**	AO
Dissolved Chloride (Cl)	mg/L	2.6	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	ND	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.194		
Physical Properties				
Conductivity	uS/cm	107		
pH	pH units	7.79	**6.5-8.5**	AO
Physical Properties				
Total Dissolved Solids	mg/L	84	**500**	AO
Turbidity	NTU	0.25	**1**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	ND	**200**	AO
Total Antimony (Sb)	ug/L	ND	**6**	MAC
Total Arsenic (As)	ug/L	3.86	**10**	MAC
Total Barium (Ba)	ug/L	2.2	**1000**	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	**5000**	MAC
Total Cadmium (Cd)	ug/L	ND	**5**	MAC
Total Chromium (Cr)	ug/L	ND	**50**	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	2.33	**1000**	AO
Total Iron (Fe)	ug/L	90.8	**300**	AO
Total Lead (Pb)	ug/L	0.40	**10**	MAC
Total Manganese (Mn)	ug/L	9.1	**50**	AO
Total Mercury (Hg)	ug/L	ND	**1**	MAC

Total Molybdenum (Mo)	ug/L	2.7		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	0.40	**10**	MAC
Total Silicon (Si)	ug/L	16800		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	32.9		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	0.11	**20**	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	5.7	**5000**	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	7.02		
Total Mangesium (Mg)	mg/L	4.85		
Total Potassium (K)	mg/L	2.61		
Total Sodium (Na)	mg/L	6.99	**200**	AO
Total Sulphur (S)	mg/L	6.5		
Total Phosphorus (P)	mg/L	0.0606		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guidline)

4 - AO/MAC (Aesthetic objective / Maximum Acceptable Concentration)