

Chapman Creek Water Potability Test Results

Date: 23-Aug-19

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-26	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	0.07	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	15	80-100	OG
Nitrate (N)	mg/L	0.13	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	27		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	33		
Carbonate (CO ₃)	mg/L	<6.0		
Hydroxide (OH)	mg/L	<5.0		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.9	500	AO
Dissolved Chloride (Cl)	mg/L	6.04	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.14		
Physical Properties				
Conductivity	uS/cm	ND		
pH	pH units	7.85	7 - 10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	84	500	AO
Turbidity	NTU	<0.10	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	73	200	OG
Total Antimony (Sb)	ug/L	0.06	6	MAC
Total Arsenic (As)	ug/L	0.2	10	MAC
Total Barium (Ba)	ug/L	3.1	1000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	<2	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	5	MAC
Total Chromium (Cr)	ug/L	0.07	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	1.70	1000	AO
Total Iron (Fe)	ug/L	10	300	AO
Total Lead (Pb)	ug/L	0.03	10	MAC
Total Manganese (Mn)	ug/L	<1	50	AO
Total Mercury (Hg)	ug/L	<0.01	1	MAC

Chapman Creek Water Potability Test Results

Date: 23-Aug-19

Sample collected for Chapman Creek Water System

PARAMETERS-continued	UNITS	CH-26	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	0.4		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silicon (Si)	ug/L	3.5		
Total Silver (Ag)	ug/L	<0.1		
Total Strontium (Sr)	ug/L	16		
Total Thallium (Tl)	ug/L	<0.1		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.002		
Total Uranium (U)	ug/L	0.0	20	MAC
Total Vanadium (V)	ug/L	0.8		
Total Zinc (Zn)	ug/L	0.6	5000	AO
Total Zirconium (Zr)	ug/L	0.2		
Total Calcium (Ca)	mg/L	5.1		
Total Magnesium (Mg)	mg/L	0.7		
Total Potassium (K)	mg/L	0.4		
Total Sodium (Na)	mg/L	10	200	AO
Total Sulphur (S)	mg/L	0.7		

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 guideline)

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

South Pender Water Potability Test Results

Date: Aug 23, 2019

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-03	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	0.07	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	14	80-100	OG
Nitrate (N)	mg/L	<0.01	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	45		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	55		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	0.9	500	AO
Dissolved Chloride (Cl)	mg/L	9.41	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.01		
Physical Properties				
Conductivity	uS/cm	116		
pH	pH units	7.63	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	130	500	AO
Turbidity	NTU	0.23	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	32	200	OG
Total Antimony (Sb)	ug/L	<0.02	6	MAC
Total Arsenic (As)	ug/L	0.4	10	MAC
Total Barium (Ba)	ug/L	4.7	1000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	14	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	5	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	2.7	1000	AO
Total Iron (Fe)	ug/L	3	300	AO
Total Lead (Pb)	ug/L	0.13	10	MAC
Total Manganese (Mn)	ug/L	3	50	AO
Total Mercury (Hg)	ug/L	<0.01	1	MAC

South Pender Water Potability Test Results

Date: Aug 23, 2019

Sample collected for South Pender Water System

PARAMETERS-continued	UNITS	SP-03	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	1.9		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silicon (Si)	ug/L	1.5		
Total Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	24		
Total Thallium (Tl)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.002		
Total Uranium (U)	ug/L	<0.01	20	MAC
Total Vanadium (V)	ug/L	<0.05		
Total Zinc (Zn)	ug/L	1.1	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	4.7		
Total Magnesium (Mg)	mg/L	3		
Total Potassium (K)	mg/L	0.37		
Total Sodium (Na)	mg/L	21	200	AO
Total Sulphur (S)	mg/L	0.46		

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 guideline)

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

North Pender Water Potability Test Results

Date: Aug 21, 2019

Sample collected for North Pender Water System

PARAMETERS	UNITS	GCDWQ ³	
			OG/AO/MAC ⁴
Misc. Inorganics			
Fluoride (F)	mg/L	1.5	MAC
Anions			
Nitrite (N)	mg/L	1	MAC
Calculated Parameters			
Total Hardness (CaCO ₃)	mg/L	80-100	OG
Nitrate (N)	mg/L	10	MAC
Misc. Inorganics			
Alkalinity (total as CaCO ₃)	mg/L		
Alkalinity (PP as CaCO ₃)	mg/L		
Bicarbonate (HCO ₃)	mg/L		
Carbonate (CO ₃)	mg/L		
Hydroxide (OH)	mg/L		
Anions			
Dissolved Sulphate (SO ₄)	mg/L	500	AO
Dissolved Chloride (Cl)	mg/L	250	AO
MISCELLANEOUS			
True Color	Col. Units	15	AO
Nutrients			
Nitrate + Nitrite (N)	mg/L		
Physical Properties			
Conductivity	uS/cm		
pH	pH units	7-10.5	OG
Physical Properties			
Total Dissolved Solids	mg/L	500	AO
Turbidity	NTU	5	MAC
Total Metals by ICPMS			
Total Aluminum (Al)	ug/L	200	OG
Total Antimony (Sb)	ug/L	6	MAC
Total Arsenic (As)	ug/L	10	MAC
Total Barium (Ba)	ug/L	1000	MAC
Total Beryllium (Be)	ug/L		
Total Bismuth (Bi)	ug/L		
Total Boron (B)	ug/L	5000	MAC
Total Cadmium (Cd)	ug/L	5	MAC
Total Chromium (Cr)	ug/L	50	MAC
Total Cobalt (Co)	ug/L		
Total Copper (Cu)	ug/L	1000	AO
Total Iron (Fe)	ug/L	300	AO
Total Lead (Pb)	ug/L	10	MAC
Total Manganese (Mn)	ug/L	50	AO

North Pender Water Potability Test Results

Date: Aug 21, 2019

Sample collected for North Pender Water System

PARAMETERS-continued	UNITS	GCDWQ ³	
Total Mercury (Hg)	ug/L	1	MAC
Total Silver (Ag)	ug/L		
Total Strontium (Sr)	ug/L		
Total Thallium (Tl)	ug/L		
Total Tin (Sn)	ug/L		
Total Titanium (Ti)	ug/L		
Total Uranium (U)	ug/L	20	MAC
Total Vanadium (V)	ug/L		
Total Zinc (Zn)	ug/L	5000	AO
Total Zirconium (Zr)	ug/L		
Total Calcium (Ca)	mg/L		
Total Magnesium (Mg)	mg/L		
Total Potassium (K)	mg/L		
Total Sodium (Na)	mg/L	200	AO
Total Sulphur (S)	mg/L		

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 guideline)

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

Katherine Lake Water Potability Test Results

Date: Sept 4, 2019

Sample collected in Katherine Lake Water System

PARAMETERS	UNITS	KA-01	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	ND	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	53	80-100	OG
Nitrate (N)	mg/L	0.06	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	63		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	76		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	4	500	AO
Dissolved Chloride (Cl)	mg/L	4.15	250	AO
MISCELLANEOUS				
True Color	Col. Units	ND	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.07		
Physical Properties				
Conductivity	uS/cm	149		
pH	pH units	6.93	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	ND	500	AO
Turbidity	NTU	0.15	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	<10	200	OG
Total Antimony (Sb)	ug/L	<0.2	6	MAC
Total Arsenic (As)	ug/L	<1	10	MAC
Total Barium (Ba)	ug/L	4	1000	MAC
Total Beryllium (Be)	ug/L	<0.5		
Total Bismuth (Bi)	ug/L	<1		
Total Boron (B)	ug/L	<20	5000	MAC
Total Cadmium (Cd)	ug/L	<0.1	5	MAC
Total Chromium (Cr)	ug/L	<0.5	50	MAC
Total Cobalt (Co)	ug/L	<0.2		
Total Copper (Cu)	ug/L	101	1000	AO
Total Iron (Fe)	ug/L	<20	300	AO
Total Lead (Pb)	ug/L	0.5	10	MAC
Total Manganese (Mn)	ug/L	<10	50	AO
Total Mercury (Hg)	ug/L	<0.01	1	MAC

Katherine Lake Water Potability Test Results

Date: Sept 4, 2019

Sample collected in Katherine Lake Water System

PARAMETERS continued	UNITS	KA-01	GCDWQ³	
Total Molybdenum (Mo)	ug/L	4		
Total Nickel (Ni)	ug/L	<2		
Total Selenium (Se)	ug/L	<2	50	MAC
Total Silicon (Si)	ug/L	9200		
Total Silver (Ag)	ug/L	<0.1		
Total Strontium (Sr)	ug/L	49		
Total Thallium (Tl)	ug/L	<0.1		
Total Tin (Sn)	ug/L	<1		
Total Titanium (Ti)	ug/L	<1		
Total Uranium (U)	ug/L	1.2	20	MAC
Total Vanadium (V)	ug/L	<0.5		
Total Zinc (Zn)	ug/L	29	5000	AO
Total Zirconium (Zr)	ug/L	4		
Total Calcium (Ca)	mg/L	17		
Total Magnesium (Mg)	mg/L	2.7		
Total Potassium (K)	mg/L	1		
Total Sodium (Na)	mg/L	5.9	200	AO
Total Sulphur (S)	mg/L	1.4		

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 guideline)

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

Ruby Lake Water Potability Test Results

Date: Aug 21/2019

Sample collected for Ruby Lake Water System

PARAMETERS	UNITS	RL-03	GCDWQ ³	
ANIONS				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	17		
Nitrate (N)	mg/L	<0.01	10	MAC
Misc. Inorganics				
Fluoride (F)	mg/L	0.07	1.5	MAC
Alkalinity (Total as CaCO ₃)	mg/L	16		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	20		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	2.2	500	AO
Dissolved Chloride (Cl)	mg/L	5.43	250	AO
MISCELLANEOUS				
True Colour	Col. Unit	<5	15	AO
Nutrients				
Nitrate plus Nitrite (N)	mg/L	<0.01		
Total Phosphorus (P)	mg/L	0.004		
Physical Properties				
Conductivity	uS/cm	ND		
pH	pH	7.45	7.0-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	40	500	AO
Turbidity	NTU	0.6	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	7	100	OG
Total Antimony (Sb)	ug/L	0.03	6	MAC
Total Arsenic (As)	ug/L	0.4	10	MAC
Total Barium (Ba)	ug/L	2.9	1000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	8	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	5	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	1.8	1000	AO
Total Iron (Fe)	ug/L	95	300	AO
Total Lead (Pb)	ug/L	0.07	10	MAC
Total Manganese (Mn)	ug/L	2	50	AO
Total Molybdenum (Mo)	ug/L	0.5		

Ruby Lake Water Potability Test Results

Date: Aug 21/2019

Sample collected for Ruby Lake Water System

PARAMETERS-continued	UNITS	RL-03	GCDWQ ³	
Total Strontium (Sr)	ug/L	15		
Total Thallium (Tl)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.002		
Total Uranium (U)	ug/L	0.01	20	MAC
Total Vanadium (V)	ug/L	0.09		
Total Zinc (Zn)	ug/L	16	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	5.8		
Total Magnesium (Mg)	mg/L	0.64		
Total Potassium (K)	mg/L	0.28		
Total Sodium (Na)	mg/L	5.2	200	AO
Total Sulphur (S)	mg/L	0.79		
Total Mercury (Hg)	ug/L	<0.01	1	MAC

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 guideline)

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

Egmont Water Potability Test Results

Date: Aug 21/2019

Sample collected for Egmont Water System

PARAMETERS	UNITS	EG-02	GCDWQ ³	
ANIONS				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	14		
Nitrate (N)	mg/L	0.02	10	MAC
Misc. Inorganics				
Fluoride (F)	mg/L	0.07	1.5	MAC
Alkalinity (Total as CaCO ₃)	mg/L	13		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	16		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.4	500	AO
Dissolved Chloride (Cl)	mg/L	5.69	250	AO
MISCELLANEOUS				
True Colour	Col. Unit	<5	15	AO
Nutrients				
Nitrate plus Nitrite (N)	mg/L	<0.01		
Total Phosphorus (P)	mg/L	0.004		
Physical Properties				
Conductivity	uS/cm	ND		
pH	pH	7.19	7.0-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	48	500	AO
Turbidity	NTU	0.41	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	24	100	OG
Total Antimony (Sb)	ug/L	<0.02	6	MAC
Total Arsenic (As)	ug/L	0.3	10	MAC
Total Barium (Ba)	ug/L	2.6	1000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	4	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	5	MAC
Total Chromium (Cr)	ug/L	0.16	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	3	1000	AO
Total Iron (Fe)	ug/L	38	300	AO
Total Lead (Pb)	ug/L	0.05	10	MAC
Total Manganese (Mn)	ug/L	1	50	AO
Total Molybdenum (Mo)	ug/L	0.45		

Egmont Water Potability Test Results

Date: Aug 21/2019

Sample collected for Egmont Water System

PARAMETERS-continued	UNITS	EG-02	GCDWQ ³	
Total Strontium (Sr)	ug/L	15		
Total Thallium (Tl)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.002		
Total Uranium (U)	ug/L	0.01	20	MAC
Total Vanadium (V)	ug/L	0.31		
Total Zinc (Zn)	ug/L	7.1	5000	AO
Total Zirconium (Zr)	ug/L	0.1		
Total Calcium (Ca)	mg/L	4.9		
Total Magnesium (Mg)	mg/L	0.36		
Total Potassium (K)	mg/L	0.19		
Total Sodium (Na)	mg/L	5.5	200	AO
Total Sulphur (S)	mg/L	0.64		
Total Mercury (Hg)	ug/L	<0.01	1	MAC

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 guideline)

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

Eastbourne Water Potability Test Results

Date: June 4, 2019

Sample collected for Eastbourne Water System

PARAMETERS	UNITS	20.3 W.E.	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.47	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	10		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	1.2		
Alkalinity (total as CaCO ₃)	mg/L	12		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	14		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	5.4	500	AO
Dissolved Chloride (Cl)	mg/L		250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	0.48		
Total Nitrogen (N)	mg/L			
Total Phosphorus (P)	mg/L	0.004		
Physical Properties				
Conductivity	uS/cm	70		
pH	pH units	6.34	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	1.59	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	15		
Elements				
Dissolved Mercury (Hg)	ug/L			
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	19	200	OG
Dissolved Antimony (Sb)	ug/L	0.05	6	MAC
Dissolved Arsenic (As)	ug/L	0.1	10	MAC
Dissolved Barium (Ba)	ug/L	11.9	1000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	12	5000	AO
Dissolved Cadmium (Cd)	ug/L	0.04	5	MAC
Dissolved Chromium (Cr)	ug/L	<0.05	50	MAC
Dissolved Cobalt (Co)	ug/L	0.04		

Eastbourne Water Potability Test Results

Date: June 4, 2019

Sample collected for Eastbourne Water System

PARAMETERS-continued	UNITS	20.3 W.E.	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	1		
Dissolved Molybdenum (Mo)	ug/L	0.05		
Dissolved Nickel (Ni)	ug/L	1		
Dissolved Selenium (Se)	ug/L	<0.2	50	MAC
Dissolved Silicon (Si)	ug/L	7700		
Dissolved Silver (Ag)	ug/L	0.01		
Dissolved Strontium (Sr)	ug/L	37.8		
Dissolved Thallium (Tl)	ug/L	<0.01		
Dissolved Tin (Sn)	ug/L	<0.1		
Dissolved Titanium (Ti)	ug/L	<0.1		
Dissolved Uranium (U)	ug/L	<0.01	20	MAC
Dissolved Vanadium (V)	ug/L	0.8		
Dissolved Zinc (Zn)	ug/L	20.8	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	4.1		
Dissolved Magnesium (Mg)	mg/L	1.3		
Dissolved Potassium (K)	mg/L	0.75		
Dissolved Sodium (Na)	mg/L	5.9	200	AO
Dissolved Sulphur (S)	mg/L	1.8		

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 guideline)

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

Langdale Water Potability Test Results

Date: Aug 23, 2019

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-04	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.26	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<10		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	42		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	52		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	11.1	500	AO
Dissolved Chloride (Cl)	mg/L	3.05	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	0.28		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	0.27		
Total Nitrogen (N)	mg/L	ND		
Total Phosphorus (P)	mg/L	0.054		
Physical Properties				
Conductivity	uS/cm	119		
pH	pH units	7.53	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.66	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	40		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<1	200	OG
Dissolved Antimony (Sb)	ug/L	<0.02	6	MAC
Dissolved Arsenic (As)	ug/L	3.5	10	MAC
Dissolved Barium (Ba)	ug/L	2.6	1000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	7	5000	AO
Dissolved Cadmium (Cd)	ug/L	<0.01	5	MAC
Dissolved Chromium (Cr)	ug/L	0.15	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Langdale Water Potability Test Results

Date: Aug 23, 2019

Sample collected in the Langdale Water System

PARAMETERS-continued	UNITS	LA-04	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	4		
Dissolved Molybdenum (Mo)	ug/L	2.55		
Dissolved Nickel (Ni)	ug/L	<0.2		
Dissolved Selenium (Se)	ug/L	0.4	50	MAC
Dissolved Silicon (Si)	ug/L	17000		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	31.7		
Dissolved Thallium (Tl)	ug/L	<0.01		
Dissolved Tin (Sn)	ug/L	<0.1		
Dissolved Titanium (Ti)	ug/L	<0.1		
Dissolved Uranium (U)	ug/L	0.09	20	MAC
Dissolved Vanadium (V)	ug/L	3.47		
Dissolved Zinc (Zn)	ug/L	19.6	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	8.6		
Dissolved Magnesium (Mg)	mg/L	4.5		
Dissolved Potassium (K)	mg/L	2.4		
Dissolved Sodium (Na)	mg/L	6.7	200	AO
Dissolved Sulphur (S)	mg/L	3.7		

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 guideline)

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

Soames Water Potability Test Results

Date: Aug 23/2019

Sample collected in Soames Water System

PARAMETERS	UNITS	SO-03	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	0.59	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.59	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<10		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	48		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	58		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	8.4	500	AO
Dissolved Chloride (Cl)	mg/L	5.55	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	0.6		
Total Nitrogen (N)	mg/L	ND		
Total Phosphorus (P)	mg/L	0.07		
Physical Properties				
Conductivity	uS/cm	130		
pH	pH units	7.53	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.85	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	45		
Elements				
Dissolved Mercury (Hg)	ug/L	0.02		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	3	200	OG
Dissolved Antimony (Sb)	ug/L	0.03	6	MAC
Dissolved Arsenic (As)	ug/L	2.4	10	MAC
Dissolved Barium (Ba)	ug/L	4.8	1000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	5	5000	AO
Dissolved Cadmium (Cd)	ug/L	<0.01	5	MAC
Dissolved Chromium (Cr)	ug/L	0.37	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Soames Water Potability Test Results

Date: Aug 23/2019

Sample collected in Soames Water System

PARAMETERS-continued	UNITS	SO-03	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	<1		
Dissolved Molybdenum (Mo)	ug/L	1.33		
Dissolved Nickel (Ni)	ug/L	<0.2		
Dissolved Selenium (Se)	ug/L	0.4	50	MAC
Dissolved Silicon (Si)	ug/L	19000		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	29.5		
Dissolved Thallium (Tl)	ug/L	<0.01		
Dissolved Tin (Sn)	ug/L	<0.1		
Dissolved Titanium (Ti)	ug/L	0.1		
Dissolved Uranium (U)	ug/L	0.17	20	MAC
Dissolved Vanadium (V)	ug/L	8.43		
Dissolved Zinc (Zn)	ug/L	4	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	9.3		
Dissolved Magnesium (Mg)	mg/L	5.3		
Dissolved Potassium (K)	mg/L	2.7		
Dissolved Sodium (Na)	mg/L	7	200	AO
Dissolved Sulphur (S)	mg/L	2.8		

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 guideline)

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

Grantham's Landing Water Potability Test Results

Date: Aug 23, 2019

Sample collected in the Grantham's Landing Water System

PARAMETERS	UNITS	GL-02	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.43	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	30		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	42		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	52		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	8.4	500	AO
Dissolved Chloride (Cl)	mg/L	4.22	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	0.11		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	0.44		
Total Nitrogen (N)	mg/L	ND		
Total Phosphorus (P)	mg/L	0.082		
Physical Properties				
Conductivity	uS/cm	115		
pH	pH units	7.52	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.61	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	40		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	2	200	OG
Dissolved Antimony (Sb)	ug/L	0.04	6	MAC
Dissolved Arsenic (As)	ug/L	2	10	MAC
Dissolved Barium (Ba)	ug/L	3.1	1000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	4	5000	AO
Dissolved Cadmium (Cd)	ug/L	<0.01	5	MAC
Dissolved Chromium (Cr)	ug/L	0.32	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Grantham's Landing Water Potability Test Results

Date: Aug 23, 2019

Sample collected in the Grantham's Landing Water System

PARAMETERS-continued	UNITS	GL-02	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	<1		
Dissolved Molybdenum (Mo)	ug/L	1.21		
Dissolved Nickel (Ni)	ug/L	<0.2		
Dissolved Selenium (Se)	ug/L	0.5	50	MAC
Dissolved Silicon (Si)	ug/L	18000		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	27.7		
Dissolved Thallium (Tl)	ug/L	<0.01		
Dissolved Tin (Sn)	ug/L	<0.1		
Dissolved Titanium (Ti)	ug/L	<0.1		
Dissolved Uranium (U)	ug/L	0.11	20	MAC
Dissolved Vanadium (V)	ug/L	7.19		
Dissolved Zinc (Zn)	ug/L	5	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	8.6		
Dissolved Magnesium (Mg)	mg/L	4.4		
Dissolved Potassium (K)	mg/L	2.7		
Dissolved Sodium (Na)	mg/L	6.2	200	AO
Dissolved Sulphur (S)	mg/L	2.8		

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 guideline)

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

Chaster Water Potability Test Results

Date: Aug 21/2019

Sample collected from the Chaster Water System

PARAMETERS	UNITS	CW-01	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	1.07	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	10		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	64		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	78		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	7	500	AO
Dissolved Chloride (Cl)	mg/L	6.75	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	1.08		
Total Nitrogen (N)	mg/L	ND		
Total Phosphorus (P)	mg/L	0.1		
Physical Properties				
Conductivity	uS/cm	164		
pH	pH units	7.38	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	1.14	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	57		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.1		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<1	200	OG
Dissolved Antimony (Sb)	ug/L	0.03	6	MAC
Dissolved Arsenic (As)	ug/L	1.8	10	MAC
Dissolved Barium (Ba)	ug/L	4.2	1000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	5	5000	AO
Dissolved Cadmium (Cd)	ug/L	<0.01	5	MAC
Dissolved Chromium (Cr)	ug/L	0.26	50	MAC
Dissolved Cobalt (Co)	ug/L	0.04		

Chaster Water Potability Test Results

Date: Aug 21/2019

Sample collected from the Chaster Water System

PARAMETERS continued	UNITS	CW-01	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	2		
Dissolved Molybdenum (Mo)	ug/L	1.37		
Dissolved Nickel (Ni)	ug/L	<0.2		
Dissolved Selenium (Se)	ug/L	0.2	50	MAC
Dissolved Silicon (Si)	ug/L	23000		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	39.8		
Dissolved Thallium (Tl)	ug/L	<0.01		
Dissolved Tin (Sn)	ug/L	<0.1		
Dissolved Titanium (Ti)	ug/L	<0.1		
Dissolved Uranium (U)	ug/L	0.18	20	MAC
Dissolved Vanadium (V)	ug/L	11.68		
Dissolved Zinc (Zn)	ug/L	8.9	5000	AO
Dissolved Zirconium (Zr)	ug/L	0.1		
Dissolved Calcium (Ca)	mg/L	9.1		
Dissolved Magnesium (Mg)	mg/L	8.3		
Dissolved Potassium (K)	mg/L	3		
Dissolved Sodium (Na)	mg/L	9.8	200	AO
Dissolved Sulphur (S)	mg/L	2.3		

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 guideline)

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