

Chapman Creek Water Potability Test Results

Date: 2021-AUG-03

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-26	GCDWQ ³	
Misc. Inorganics				OG/AO/ MAC/ALARA ⁴
Fluoride (F)	mg/L	<0.01	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	13		
Nitrate (N)	mg/L	0.06	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	17		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	21		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.8	500	AO
Dissolved Chloride (Cl)	mg/L	4.19	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.06		
Physical Properties				
pH	pH units	7.44	7.0 - 10.5	
Total Dissolved Solids	mg/L	66	500	AO
Turbidity	NTU	0.17		
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	39	100	OG
Total Antimony (Sb)	ug/L	0.02	6	MAC
Total Arsenic (As)	ug/L	<0.1	10	ALARA
Total Barium (Ba)	ug/L	3.8	2000	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	7	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	12	2000	MAC
Total Iron (Fe)	ug/L	14	300	AO
Total Lead (Pb)	ug/L	0.20	5	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	<1	120	MAC
Total Mercury (Hg)	ug/L	<0.01	1	MAC

Chapman Creek Water Potability Test Results

Date: 2021-AUG-03

Sample collected for Chapman Creek Water System

PARAMETERS-continued	UNITS	CH-26	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	0.27		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	14	7000	MAC
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.05		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	mg/L	<0.002		
Total Uranium (U)	ug/L	<0.01	20	MAC
Total Vanadium (V)	ug/L	0.17		
Total Zinc (Zn)	ug/L	2.8	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	4.5		
Total Magnesium (Mg)	mg/L	0.36		
Total Potassium (K)	mg/L	0.19		
Total Silicon (Si)	mg/L	2.2		
Total Sodium (Na)	mg/L	5.7	200	AO
Total Sulphur (S)	mg/L	0.69		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

South Pender Water Potability Test Results

Date: 2021-AUG-23

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-03	GCDWQ ³	
Misc. Inorganics				OG/AO/ MAC/ALARA ⁴
Fluoride (F)	mg/L	<0.01	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	12.2		
Nitrate (N)	mg/L	<0.01	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	32		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	39		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	0.7	500	AO
Dissolved Chloride (Cl)	mg/L	8.76	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.01		
Physical Properties				
pH	pH units	7.54	7.0-10.5	
Total Dissolved Solids	mg/L	91	500	AO
Turbidity	NTU	<0.10		
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	39	100	OG
Total Antimony (Sb)	ug/L	0.02	6	MAC
Total Arsenic (As)	ug/L	0.5	10	ALARA
Total Barium (Ba)	ug/L	4.5	2000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	13	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	7	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	7.2	2000	MAC
Total Iron (Fe)	ug/L	5	300	AO
Total Lead (Pb)	ug/L	0.25	5	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	<1	120	MAC
Total Mercury (Hg)	ug/L	<0.01	1	MAC

South Pender Water Potability Test Results

Date: 2021-AUG-23

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 Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	22	7000	MAC
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.05		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	mg/L	<0.002		
Total Uranium (U)	ug/L	<0.01	20	MAC
Total Vanadium (V)	ug/L	0.07		
Total Zinc (Zn)	ug/L	3.7	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	4.0		
Total Magnesium (Mg)	mg/L	0.55		
Total Potassium (K)	mg/L	0.24		
Total Silicon (Si)	mg/L	1.5		
Total Sodium (Na)	mg/L	14	200	AO
Total Sulphur (S)	mg/L	0.35		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

North Pender Water Potability Test Results

Date: 2021-AUG-18

Sample collected for North Pender Water System

PARAMETERS	UNITS	NP-07	GCDWQ ³	
				OG/AO/ MAC/ALARA ⁴
Misc. Inorganics				
Fluoride (F)	mg/L	<0.01	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	18		
Nitrate (N)	mg/L	0.03	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	21		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	26		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	2.5	500	AO
Dissolved Chloride (Cl)	mg/L	11.4	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.03		
Physical Properties				
pH	pH units	7.40	7.0-10.5	
Total Dissolved Solids	mg/L	100	500	AO
Turbidity	NTU	0.46		
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	20	200	OG
Total Antimony (Sb)	ug/L	0.03	6	MAC
Total Arsenic (As)	ug/L	0.20	10	ALARA
Total Barium (Ba)	ug/L	3.5	2000	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	7	MAC
Total Chromium (Cr)	ug/L	0.11	50	MAC
Total Cobalt (Co)	ug/L	0.02		
Total Copper (Cu)	ug/L	4.2	2000	MAC
Total Iron (Fe)	ug/L	66	300	AO
Total Lead (Pb)	ug/L	0.35	5	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	5	120	MAC
Total Mercury (Hg)	ug/L	<0.01	1	MAC

North Pender Water Potability Test Results

Date: 2021-AUG-18

Sample collected for North Pender Water System

PARAMETERS-continued	UNITS	NP-07	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	1.3		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	26	7000	MAC
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.05		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	mg/L	<0.002		
Total Uranium (U)	ug/L	0.02	20	MAC
Total Vanadium (V)	ug/L	0.12		
Total Zinc (Zn)	ug/L	8	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	5.6		
Total Magnesium (Mg)	mg/L	0.99		
Total Potassium (K)	mg/L	0.52		
Total Silicon (Si)	mg/L	3.4		
Total Sodium (Na)	mg/L	9.4	200	AO
Total Sulphur (S)	mg/L	0.99		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

Ruby Lake Water Potability Test Results

Date: 2021-AUG-11

Sample collected for Ruby Lake Water System

PARAMETERS	UNITS	RL-03	GCDWQ ³	
Misc. Inorganics				OG/AO/ MAC/ALARA ⁴
Fluoride (F)	mg/L	<0.01	1.5	MAC
Anions				
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				
Alkalinity (total as CaCO ₃)	mg/L	15		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	19		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.9	500	AO
Dissolved Chloride (Cl)	mg/L	6.69	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.01		
Physical Properties				
pH	pH units	7.62	7.0 - 10.5	
Total Dissolved Solids	mg/L	28	500	AO
Turbidity	NTU	0.59		
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	5	200	OG
Total Antimony (Sb)	ug/L	0.04	6	MAC
Total Arsenic (As)	ug/L	0.4	10	ALARA
Total Barium (Ba)	ug/L	2.80	2000	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	9.0	5000	MAC
Total Cadmium (Cd)	ug/L	<0.01	7	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	2.5	2000	MAC
Total Iron (Fe)	ug/L	140	300	AO
Total Lead (Pb)	ug/L	0.10	5	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	2	120	MAC
Total Mercury (Hg)	ug/L	<0.01	1	MAC

Ruby Lake Water Potability Test Results

Date: 2021-AUG-11

Sample collected for Ruby Lake Water System

PARAMETERS-continued	UNITS	RL-03	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	0.48		
Total Nickel (Ni)	ug/L	0.40		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	14	7000	MAC
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.05		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	mg/L	<0.002		
Total Uranium (U)	ug/L	0.01	20	MAC
Total Vanadium (V)	ug/L	0.18		
Total Zinc (Zn)	ug/L	11	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	5.9		
Total Magnesium (Mg)	mg/L	0.67		
Total Potassium (K)	mg/L	0.21		
Total Silicon (Si)	mg/L	1.5		
Total Sodium (Na)	mg/L	5.8	200	AO
Total Sulphur (S)	mg/L	0.79		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

Egmont Water Potability Test Results

Date: 2021-AUG-11

Sample collected for Egmont Water System

PARAMETERS	UNITS	EG-02	GCDWQ ³	
				OG/AO/ MAC/ALARA ⁴
Misc. Inorganics				
Fluoride (F)	mg/L	<0.01	1.5	MAC
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	10.7		
Nitrate (N)	mg/L	0.01	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	10		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	13		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.2	500	AO
Dissolved Chloride (Cl)	mg/L	7.98	250	AO
MISCELLANEOUS				
True Color	Col. Units	<5	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.01		
Physical Properties				
pH	pH units	7.03	7.0 - 10.5	
Total Dissolved Solids	mg/L	28	500	AO
Turbidity	NTU	0.22		
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	16	200	OG
Total Antimony (Sb)	ug/L	<0.02	6	MAC
Total Arsenic (As)	ug/L	0.2	10	ALARA
Total Barium (Ba)	ug/L	2.4	2000	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	7	MAC
Total Chromium (Cr)	ug/L	<0.05	50	MAC
Total Cobalt (Co)	ug/L	<0.02		
Total Copper (Cu)	ug/L	27	2000	MAC
Total Iron (Fe)	ug/L	20	300	AO
Total Lead (Pb)	ug/L	0.2	5	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	1.0	120	MAC
Total Mercury (Hg)	ug/L	<0.01	1	MAC

Egmont Water Potability Test Results

Date: 2021-AUG-11

Sample collected for Egmont Water System

PARAMETERS-continued	UNITS	EG-02	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	0.46		
Total Nickel (Ni)	ug/L	0.8		
Total Selenium (Se)	ug/L	<0.2	50	MAC
Total Silver (Ag)	ug/L	<0.01		
Total Strontium (Sr)	ug/L	11.0	7000	MAC
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.05		
Total Tin (Sn)	ug/L	0.4		
Total Titanium (Ti)	mg/L	<0.002		
Total Uranium (U)	ug/L	0.01	20	MAC
Total Vanadium (V)	ug/L	0.18		
Total Zinc (Zn)	ug/L	4.6	5000	AO
Total Zirconium (Zr)	ug/L	<0.1		
Total Calcium (Ca)	mg/L	3.5		
Total Magnesium (Mg)	mg/L	0.47		
Total Potassium (K)	mg/L	0.11		
Total Silicon (Si)	mg/L	2.1		
Total Sodium (Na)	mg/L	6.8	200	AO
Total Sulphur (S)	mg/L	0.48		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

Eastbourne Water Potability Test Results

Date: 2021-AUG-04

Sample collected for Eastbourne Water System

PARAMETERS	UNITS	20.3 W.E.	GCDWQ ³	
				OG/AO/ MAC/ALARA ⁴
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.56	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<5		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	35		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	42		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	7.7	500	AO
Dissolved Chloride (Cl)	mg/L	6.88	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.025		
Nitrate + Nitrite (N)	mg/L	0.56		
Total Phosphorus (P)	mg/L	0.009		
Physical Properties				
pH	pH units	7.08	7.0-10.5	
Turbidity	NTU	0.57		
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	16		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01	1	MAC
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	10	200	OG
Dissolved Antimony (Sb)	ug/L	0.19	6	MAC
Dissolved Arsenic (As)	ug/L	4.3	10	ALARA
Dissolved Barium (Ba)	ug/L	10	2000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	82	5000	MAC
Dissolved Cadmium (Cd)	ug/L	0.01	7	MAC
Dissolved Chromium (Cr)	ug/L	<0.05	50	MAC
Dissolved Cobalt (Co)	ug/L	0.07		

Eastbourne Water Potability Test Results

Date: 2021-AUG-04

Sample collected for Eastbourne Water System

PARAMETERS-continued	UNITS	20.3 W.E.	GCDWQ ³	
Dissolved Copper (Cu)	µg/L	33	2000	MAC
Dissolved Iron (Fe)	µg/L	<2	300	AO
Dissolved Lead (Pb)	µg/L	0.48	5	ALARA
Dissolved Lithium (Li)	µg/L	1		
Dissolved Manganese (Mn)	ug/L	<1	120	MAC
Dissolved Molybdenum (Mo)	ug/L	0.33		
Dissolved Nickel (Ni)	ug/L	0.3		
Dissolved Selenium (Se)	ug/L	<0.2	50	MAC
Dissolved Silicon (Si)	mg/L	10		
Dissolved Silver (Ag)	ug/L	0.01		
Dissolved Strontium (Sr)	ug/L	42	7000	MAC
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	0.02	20	MAC
Dissolved Vanadium (V)	ug/L	0.2		
Dissolved Zinc (Zn)	ug/L	20	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	4.2		
Dissolved Magnesium (Mg)	mg/L	1.3		
Dissolved Potassium (K)	mg/L	0.61		
Dissolved Sodium (Na)	mg/L	16	200	AO
Dissolved Sulphur (S)	mg/L	2.6		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

Langdale Water Potability Test Results

Date: 2021-AUG-03

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-04	GCDWQ ³	
				OG/AO/ MAC/ALARA ⁴
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.19	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<5		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	39		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	48		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	11.4	500	AO
Dissolved Chloride (Cl)	mg/L	3.22	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.025		
Nitrate + Nitrite (N)	mg/L	0.19		
Physical Properties				
pH	pH units	7.51	7.0-10.5	
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	36		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01	1	MAC
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	3.4	10	ALARA
Dissolved Barium (Ba)	ug/L	2.8	2000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	6.0	5000	MAC
Dissolved Cadmium (Cd)	ug/L	0.13	7	MAC
Dissolved Chromium (Cr)	ug/L	0.19	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Langdale Water Potability Test Results

Date: 2021-AUG-03

Sample collected in the Langdale Water System

PARAMETERS-continued	UNITS	LA-04	GCDWQ ³	
Dissolved Copper (Cu)	µg/L	26	2000	MAC
Dissolved Iron (Fe)	µg/L	38	300	AO
Dissolved Lead (Pb)	µg/L	0.23	5	ALARA
Dissolved Lithium (Li)	µg/L	1.3		
Dissolved Manganese (Mn)	ug/L	3	120	MAC
Dissolved Molybdenum (Mo)	ug/L	2.6		
Dissolved Nickel (Ni)	ug/L	0.3		
Dissolved Selenium (Se)	ug/L	0.4	50	MAC
Dissolved Silicon (Si)	mg/L	16.0		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	32	7000	MAC
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	0.08	20	MAC
Dissolved Vanadium (V)	ug/L	3.6		
Dissolved Zinc (Zn)	ug/L	13	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	7.5		
Dissolved Magnesium (Mg)	mg/L	4.2		
Dissolved Potassium (K)	mg/L	2.3		
Dissolved Sodium (Na)	mg/L	6.2	200	AO
Dissolved Sulphur (S)	mg/L	3.6		

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/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Reasonably Achievable)

Soames Water Potability Test Results

Date: 2021-AUG-04

Sample collected in Soames Water System

PARAMETERS	UNITS	SO-03	GCDWQ ³	
				OG/AO/ MAC/ALARA ⁴
Anions				
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.59	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<5		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	46		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	56		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	8.6	500	AO
Dissolved Chloride (Cl)	mg/L	6.11	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.025		
Nitrate + Nitrite (N)	mg/L	0.59		
Physical Properties				
pH	pH units	7.55	7.0-10.5	
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	45		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01	1	MAC
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	2	200	OG
Dissolved Antimony (Sb)	ug/L	0.03	6	MAC
Dissolved Arsenic (As)	ug/L	2.4	10	ALARA
Dissolved Barium (Ba)	ug/L	4	2000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	5	5000	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	7	MAC
Dissolved Chromium (Cr)	ug/L	0.42	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Soames Water Potability Test Results

Date: 2021-AUG-04

Sample collected in Soames Water System

PARAMETERS-continued	UNITS	SO-03	GCDWQ ³	
Dissolved Copper (Cu)	µg/L	8.6	2000	MAC
Dissolved Iron (Fe)	µg/L	<2	300	AO
Dissolved Lead (Pb)	µg/L	0.13	5	ALARA
Dissolved Lithium (Li)	µg/L	1.0		
Dissolved Manganese (Mn)	ug/L	<1	120	MAC
Dissolved Molybdenum (Mo)	ug/L	1.4		
Dissolved Nickel (Ni)	ug/L	<0.2		
Dissolved Selenium (Se)	ug/L	0.5	50	MAC
Dissolved Silicon (Si)	mg/L	18		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	31	7000	MAC
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	0.2	20	MAC
Dissolved Vanadium (V)	ug/L	8.5		
Dissolved Zinc (Zn)	ug/L	8.8	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	8.9		
Dissolved Magnesium (Mg)	mg/L	5.4		
Dissolved Potassium (K)	mg/L	2.7		
Dissolved Sodium (Na)	mg/L	6.5	200	AO
Dissolved Sulphur (S)	mg/L	2.8		

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Grantham's Landing Water Potability Test Results

Date: 2021-AUG-04

Sample collected in the Grantham's Landing Water System

PARAMETERS	UNITS	GL-02	GCDWQ ³	
Anions				OG/AO/ MAC/ALARA ⁴
Nitrite (N)	mg/L	<0.01	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.41	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<5		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO ₃)	mg/L	41		
Alkalinity (PP as CaCO ₃)	mg/L	<5		
Bicarbonate (HCO ₃)	mg/L	5.0		
Carbonate (CO ₃)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	8.5	500	AO
Dissolved Chloride (Cl)	mg/L	4.61	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.025		
Nitrate + Nitrite (N)	mg/L	0.41		
Physical Properties				
pH	pH units	7.55	7.0-10.5	
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	39		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.01	1	MAC
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	2.0	10	ALARA
Dissolved Barium (Ba)	ug/L	3.1	2000	MAC
Dissolved Beryllium (Be)	ug/L	<0.05		
Dissolved Bismuth (Bi)	ug/L	<0.1		
Dissolved Boron (B)	ug/L	6	5000	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	7	MAC
Dissolved Chromium (Cr)	ug/L	0.37	50	MAC
Dissolved Cobalt (Co)	ug/L	<0.02		

Grantham's Landing Water Potability Test Results

Date: 2021-AUG-04

Sample collected in the Grantham's Landing Water System

PARAMETERS-continued	UNITS	GL-02	GCDWQ ³	
Dissolved Copper (Cu)	µg/L	7.2	2000	MAC
Dissolved Iron (Fe)	µg/L	<2	300	AO
Dissolved Lead (Pb)	µg/L	0.09	5	ALARA
Dissolved Lithium (Li)	µg/L	0.8		
Dissolved Manganese (Mn)	ug/L	<1	120	MAC
Dissolved Molybdenum (Mo)	ug/L	1.2		
Dissolved Nickel (Ni)	ug/L	0.8		
Dissolved Selenium (Se)	ug/L	0.5	50	MAC
Dissolved Silicon (Si)	mg/L	17		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	28	7000	MAC
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	0.13	20	MAC
Dissolved Vanadium (V)	ug/L	7.2		
Dissolved Zinc (Zn)	ug/L	8.9	5000	AO
Dissolved Zirconium (Zr)	ug/L	<0.1		
Dissolved Calcium (Ca)	mg/L	8.2		
Dissolved Magnesium (Mg)	mg/L	4.4		
Dissolved Potassium (K)	mg/L	2.6		
Dissolved Sodium (Na)	mg/L	5.9	200	AO
Dissolved Sulphur (S)	mg/L	2.8		

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