Chapman Creek Water Potability Test Results

Date: September 17, 2020

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-26	GCDWQ[2]	
Anions				**OG/AO/MAC**
Chloride	mg/L [1]	5.52	**250**	AO
Fluoride	mg/L	<0.01	**1.5**	MAC
Nitrate (as N)	mg/L	0.07	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	1.8	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	13		
General Parameters				
Colour, True	TCU	<5	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	22		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	27		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Phosphorus, Total (as P)	mg/L	<0.005		
Solids, Total Dissolved	mg/L	34	**500**	AO
Turbidity	NTU	0.33	**5**	MAC
pH	pH units	7.53	**7.0-10.5**	OG
Total Metals				
Aluminum, total	mg/L	0.049	**0.2**	OG
Antimony, total	mg/L	<0.00002	**0.006**	MAC
Arsenic, total	mg/L	0.0001	**0.01**	MAC
Barium, total	mg/L	0.0037	**1**	MAC
Beryllium, total	mg/L	<0.00005		
Bismuth, total	mg/L	<0.001		
Boron, total	mg/L	<0.0002	**5**	AO
Cadmium, total	mg/L	<0.00001	**0.005**	MAC
Calcium, total	mg/L	4.6		
Chromium, total	mg/L	0.00008	**0.05**	MAC
Cobalt, total	mg/L	<0.00002		
Copper, total	mg/L	0.0024	**1**	AO
Iron, total	mg/L	0.047	**0.3**	AO
Lead, total	mg/L	0.0016	**0.01**	MAC
Lithium, total	mg/L	<0.0005		
Magnesium, total	mg/L	0.48		
Manganese, total	mg/L	0.0001	**0.05**	AO
Mercury, total	mg/L	<0.00001	**0.001**	MAC
Molybdenum, total	mg/L	0.00031		
Nickel, total	mg/L	0.0002		
Phosphorus, total	mg/L	<0.005		

Chapman Creek Water Potability Test Results

Date: September 17, 2020

Sample collected for Chapman Creek Water System

Total Metals-continued	**UNITS**	**CH-26**	**GCDWQ[2]**	
Potassium, total	mg/L	0.16		
Selenium, total	mg/L	<0.0002	**0.05**	MAC
Silicon, total	mg/L	2.5		
Silver, total	mg/L	<0.0002		
Sodium, total	mg/L	7.3	**200**	AO
Strontium, total	mg/L	0.016		
Sulfur, total	mg/L	0.72		
Thallium, total	mg/L	<0.00001		
Thorium, total	mg/L	<0.00005		
Tin, total	mg/L	<0.0001		
Titanium, total	mg/L	<0.002		
Uranium, total	mg/L	<0.00001	**0.02**	MAC
Vanadium, total	mg/L	0.00083		
Zinc, total	mg/L	0.0013	**5**	AO
Zirconium, total	mg/L	<0.0001		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	AO

1 - milligrams per litre (parts per million)

2 - Guidelines for Canadian Drinking Water Quality

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

South Pender Water Potability Test Results

Date: September 17, 2020

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-03	GCDWQ[2]	
Anions				**OG/AO/MAC**
Chloride	mg/L [1]	8.39	**250**	AO
Fluoride	mg/L	<0.01	**1.5**	MAC
Nitrate (as N)	mg/L	0.02	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	1	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	13		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	39		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	48		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Phosphorus, Total (as P)	mg/L	<0.005		
Solids, Total Dissolved	mg/L	70	**500**	AO
Turbidity	NTU	<0.10	**5**	MAC
pH	pH units	7.66	**7.0-10.5**	OG
Total Metals				
Aluminum, total	mg/L	0.025	**0.2**	OG
Antimony, total	mg/L	<0.00002	**0.006**	MAC
Arsenic, total	mg/L	0.0003	**0.01**	MAC
Barium, total	mg/L	0.0045	**1**	MAC
Beryllium, total	mg/L	<0.00005		
Bismuth, total	mg/L	<0.0001		
Boron, total	mg/L	0.013	**5**	AO
Cadmium, total	mg/L	<0.00001	**0.005**	MAC
Calcium, total	mg/L	4.1		
Chromium, total	mg/L	0.00007	**0.05**	MAC
Cobalt, total	mg/L	<0.00002		
Copper, total	mg/L	0.0026	**1**	AO
Iron, total	mg/L	0.0004	**0.3**	AO
Lead, total	mg/L	0.00012	**0.01**	MAC
Lithium, total	mg/L	<0.0005		
Magnesium, total	mg/L	0.55		
Manganese, total	mg/L	<0.002	**0.05**	AO
Mercury, total	mg/L	<0.010	**0.001**	MAC
Molybdenum, total	mg/L	0.0016		
Nickel, total	mg/L	0.0002		
Phosphorus, total	mg/L	<0.005		

South Pender Water Potability Test Results

Date: September 17, 2020

Sample collected for South Pender Water System

Total Metals-continued	**UNITS**	**SP-03**	**GCDWQ[2]**	
Potassium, total	mg/L	0.33		
Selenium, total	mg/L	<0.0002	**0.05**	MAC
Silicon, total	mg/L	2.1		
Silver, total	mg/L	<0.00001		
Sodium, total	mg/L	17	**200**	AO
Strontium, total	mg/L	0.024		
Sulfur, total	mg/L	0.44		
Thallium, total	mg/L	<0.00001		
Thorium, total	mg/L	<0.00005		
Tin, total	mg/L	<0.0001		
Titanium, total	mg/L	<0.002		
Uranium, total	mg/L	<0.00001	**0.02**	MAC
Vanadium, total	mg/L	0.00035		
Zinc, total	mg/L	0.0018	**5**	AO
Zirconium, total	mg/L	<0.0001		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	AO

1 - milligrams per litre (parts per million)

2 - Guidelines for Canadian Drinking Water Quality

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

North Pender Water Potability Test Results

Date: September 17, 2020

Sample collected for North Pender Water System

PARAMETERS	UNITS	NP-05	GCDWQ[2]	
Anions				**OG/AO/MAC**
Chloride	mg/L [1]	11	**250**	AO
Fluoride	mg/L	<0.01	**1.5**	MAC
Nitrate (as N)	mg/L	<0.01	**10**	MAC
Nitrite (as N)	mg/L	0.06	**1**	MAC
Sulfate	mg/L	2.8	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	18		
General Parameters				
Colour, True	TCU	<5	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	21		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	25		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Phosphorus, Total (as P)	mg/L	<0.005		
Solids, Total Dissolved	mg/L	62	**500**	AO
Turbidity	NTU	0.32	**5**	MAC
pH	pH units	7.1	**7.0-10.5**	OG
Total Metals				
Aluminum, total	mg/L	0.38	**0.2**	OG
Antimony, total	mg/L	<0.00002	**0.006**	MAC
Arsenic, total	mg/L	0.0002	**0.01**	MAC
Barium, total	mg/L	0.0037	**1**	MAC
Beryllium, total	mg/L	<0.00005		
Bismuth, total	mg/L	<0.0001		
Boron, total	mg/L	0.009	**5**	AO
Cadmium, total	mg/L	<0.00001	**0.005**	MAC
Calcium, total	mg/L	5.5		
Chromium, total	mg/L	0.0002	**0.05**	MAC
Cobalt, total	mg/L	0.00003		
Copper, total	mg/L	0.0049	**1**	AO
Iron, total	mg/L	0.09	**0.3**	AO
Lead, total	mg/L	0.0007	**0.01**	MAC
Lithium, total	mg/L	<0.0005		
Magnesium, total	mg/L	0.93		
Manganese, total	mg/L	0.01	**0.05**	AO
Mercury, total	mg/L	<0.00001	**0.001**	MAC
Molybdenum, total	mg/L	0.0013		
Nickel, total	mg/L	0.0002		
Phosphorus, total	mg/L	<0.005		

North Pender Water Potability Test Results

Date: September 17, 2020

Sample collected for North Pender Water System

Total Metals-continued	**UNITS**	**NP-05**	**GCDWQ[2]**	
Potassium, total	mg/L	0.59		
Selenium, total	mg/L	<0.0002	**0.05**	MAC
Silicon, total	mg/L	3.3		
Silver, total	mg/L	<0.00001		
Sodium, total	mg/L	9.40	**200**	AO
Strontium, total	mg/L	0.026		
Sulfur, total	mg/L	1.1		
Thallium, total	mg/L	<0.00001		
Thorium, total	mg/L	<0.00005		
Tin, total	mg/L	<0.0001		
Titanium, total	mg/L	<0.002		
Uranium, total	mg/L	0.00002	**0.02**	MAC
Vanadium, total	mg/L	0.00049		
Zinc, total	mg/L	0.018	**5**	AO
Zirconium, total	mg/L	<0.0001		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	AO

1 - milligrams per litre (parts per million)

2 - Guidelines for Canadian Drinking Water Quality

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

Ruby Lake Water Potability Test Results

Date: September 17, 2020

Sample collected for Ruby Lake Water System

PARAMETERS	UNITS	RL-03	GCDWQ[2]	
Anions				**OG/AO/MAC**
Chloride	mg/L [1]	6.67	**250**	AO
Fluoride	mg/L	<0.01	**1.5**	MAC
Nitrate (as N)	mg/L	<0.01	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	2.3	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	17		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	16		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	20		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Phosphorus, Total (as P)	mg/L	<0.005		
Solids, Total Dissolved	mg/L	50	**500**	AO
Turbidity	NTU	0.2	**5**	MAC
pH	pH units	7.86	**7.0-10.5**	OG
Total Metals				
Aluminum, total	mg/L	0.007	**0.2**	OG
Antimony, total	mg/L	0.00003	**0.006**	MAC
Arsenic, total	mg/L	0.0004	**0.01**	MAC
Barium, total	mg/L	0.0032	**1**	MAC
Beryllium, total	mg/L	<0.00005		
Bismuth, total	mg/L	<0.0001		
Boron, total	mg/L	0.009	**5**	AO
Cadmium, total	mg/L	<0.00001	**0.005**	MAC
Calcium, total	mg/L	6.0		
Chromium, total	mg/L	0.00006	**0.05**	MAC
Cobalt, total	mg/L	<0.00002		
Copper, total	mg/L	0.0018	**1**	AO
Iron, total	mg/L	0.076	**0.3**	AO
Lead, total	mg/L	0.00009	**0.01**	MAC
Lithium, total	mg/L	<0.0005		
Magnesium, total	mg/L	0.59		
Manganese, total	mg/L	0.001	**0.05**	AO
Mercury, total	mg/L	<0.00001	**0.001**	MAC
Molybdenum, total	mg/L	0.00048		
Nickel, total	mg/L	0.0002		
Phosphorus, total	mg/L	<0.005		

Ruby Lake Water Potability Test Results

Date: September 17, 2020

Sample collected for Ruby Lake Water System

Total Metals-continued	**UNITS**	**RL-03**	**GCDWQ[2]**	
Potassium, total	mg/L	0.29		
Selenium, total	mg/L	<0.0002	**0.05**	MAC
Silicon, total	mg/L	1.3		
Silver, total	mg/L	<0.00001		
Sodium, total	mg/L	5.7	**200**	AO
Strontium, total	mg/L	0.016		
Sulfur, total	mg/L	0.88		
Thallium, total	mg/L	<0.00001		
Thorium, total	mg/L	<0.00005		
Tin, total	mg/L	<0.0001		
Titanium, total	mg/L	<0.002		
Uranium, total	mg/L	0.00001	**0.02**	MAC
Vanadium, total	mg/L	0.00015		
Zinc, total	mg/L	0.0075	**5**	AO
Zirconium, total	mg/L	<0.0001		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	AO

1 - milligrams per litre (parts per million)

2 - Guidelines for Canadian Drinking Water Quality

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

Egmont Water Potability Test Results

Date: September 17, 2020

Sample collected for Egmont Water System

PARAMETERS	UNITS	EG-02	GCDWQ[2]	
Anions				**OG/AO/MAC**
Chloride	mg/L [1]	5.14	**250**	AO
Fluoride	mg/L	<0.01	**1.5**	MAC
Nitrate (as N)	mg/L	<0.01	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	1.4	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	13		
General Parameters				
Colour, True	TCU	<5	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	13		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	15		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Phosphorus, Total (as P)	mg/L	<0.005		
Solids, Total Dissolved	mg/L	54	**500**	AO
Turbidity	NTU	0.15	**5**	MAC
pH	pH units	7	**7.0-10.5**	OG
Total Metals				
Aluminum, total	mg/L	0.023	**0.2**	OG
Antimony, total	mg/L	0.00003	**0.006**	MAC
Arsenic, total	mg/L	0.0003	**0.01**	MAC
Barium, total	mg/L	0.0028	**1**	MAC
Beryllium, total	mg/L	<0.00005		
Bismuth, total	mg/L	<0.0001		
Boron, total	mg/L	0.005	**5**	AO
Cadmium, total	mg/L	<0.00002	**0.005**	MAC
Calcium, total	mg/L	4.5		
Chromium, total	mg/L	<0.00018	**0.05**	MAC
Cobalt, total	mg/L	0.0001		
Copper, total	mg/L	0.01	**1**	AO
Iron, total	mg/L	0.046	**0.3**	AO
Lead, total	mg/L	0.0001	**0.01**	MAC
Lithium, total	mg/L	<0.0005		
Magnesium, total	mg/L	0.35		
Manganese, total	mg/L	0.0005	**0.05**	AO
Mercury, total	mg/L	<0.00001	**0.001**	MAC
Molybdenum, total	mg/L	0.0005		
Nickel, total	mg/L	<0.0002		
Phosphorus, total	mg/L	<0.005		

Egmont Water Potability Test Results

Date: September 17, 2020

Sample collected for Egmont Water System

Total Metals-continued	**UNITS**	**EG-02**	**GCDWQ[2]**	
Potassium, total	mg/L	0.2		
Selenium, total	mg/L	<0.0002	**0.05**	MAC
Silicon, total	mg/L	1.9		
Silver, total	mg/L	<0.00001		
Sodium, total	mg/L	4.7	**200**	AO
Strontium, total	mg/L	0.016		
Sulfur, total	mg/L	0.6		
Thallium, total	mg/L	0.00003		
Thorium, total	mg/L	<0.00005		
Tin, total	mg/L	<0.0001		
Titanium, total	mg/L	<0.002		
Uranium, total	mg/L	0.00005	**0.02**	MAC
Vanadium, total	mg/L	0.00049		
Zinc, total	mg/L	0.0099	**5**	AO
Zirconium, total	mg/L	<0.0001		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	AO

1 - milligrams per litre (parts per million)

2 - Guidelines for Canadian Drinking Water Quality

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

Eastbourne Water Potability Test Results

Date: September 24, 2020

Sample collected for Eastbourne Water System

Parameters	Units	20.3	GCDWQ[3]	
Aggregate Organic Constituents				**OG/AO/MAC**
Chemical Oxygen Demand	mg/L [1]	<5		
Inorganic Nonmetallic Parameters				
Kjeldahl Nitrogen	mg/L	<0.07		
Organic Carbon	mg/L	<0.5		
Ammonia - N	mg/L	<0.025		
Phosphorus	mg/L	<0.005		
Metals Dissolved				
Mercury	µg/L [4]	<0.01	**0.001**	MAC
Physical and Aggregate Properties				
Turbidity	NTU	0.19	**5**	MAC
Routine Water				
pH	pH units	7.24	**7.0-10.5**	OG
Conductivity	µS/cm [2]	108		
Calcium	mg/L	4.2		
Magnesium	mg/L	1.4		
Potassium	mg/L	0.63		
Sodium	mg/L	14	**200**	AO
Sulfur	mg/L	2.3		
Bicarbonate	mg/L	41		
Carbonate	mg/L	<6		
Hydroxide	mg/L	<5		
P-Alkalinity	mg/L	<5		
T-Alkalinity	mg/L	34		
Chloride	mg/L	7.7	**250**	AO
Nitrate - N	mg/L	0.42	**10**	MAC
Nitrite - N	mg/L	<0.01	**1**	MAC
Sulfate (SO4)	mg/L	6.9	**500**	AO
Hardness	mg/L	16		
Salinity	g/L [5]	0.036		
Silicon	mg/L	9.1		
Mono-Aromatic Hydrocarbons - Water				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl t-Butyl Ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Total Xylenes (m,p,o)	mg/L	<0.0005	**0.09**	MAC
4-Bromofluorobenzene	%	84.4		
Dibromofluoromethane	%	94.1		
Toluene-d8	%	115		

Eastbourne Water Potability Test Results

Date: September 24, 2020

Sample collected for Eastbourne Water System

Parameters	Units	20.3	GCDWQ[3]	
Volatile Petroleum Hydrocarbons - Water				
VPHw (VHw6-10 minus BTEX)	µg/L	<50		
VHw6-10	µg/L	<50		
VOC - Water - Surrogate Recovery				
Dibromofluoromethane	%	94.1		
Toluene-d8	%	115		
Bromofluorobenzene	%	84.4		
Trace Metals Dissolved				
Aluminum	mg/L	0.02	**0.2**	OG
Antimony	mg/L	0.00006	**0.006**	MAC
Arsenic	mg/L	0.0018	**0.01**	MAC
Barium	mg/L	0.011	**2**	MAC
Beryllium	mg/L	<0.00005		
Bismuth	mg/L	<0.0001		
Boron	mg/L	0.064	**5**	AO
Cadmium	mg/L	<0.00001	**0.007**	MAC
Chromium	mg/L	<0.00005	**0.05**	MAC
Cobalt	mg/L	0.00004		
Copper	mg/L	0.04	**2**	MAC
Iron	mg/L	0.038	**0.3**	AO
Lead	mg/L	0.0017	**0.005**	MAC
Lithium	mg/L	0.0008		
Manganese	mg/L	0.001	**0.12**	AO
Molybdenum	mg/L	0.00028		
Nickel	mg/L	0.0004		
Selenium	mg/L	<0.0002	**0.05**	MAC
Silver	mg/L	<0.00001		
Strontium	mg/L	0.048	**7**	MAC
Thallium	mg/L	<0.00001		
Thorium	mg/L	<0.00005		
Tin	mg/L	0.0004		
Uranium	mg/L	<0.00001	**0.02**	MAC
Vanadium	mg/L	0.00076		
Zinc	mg/L	0.015	**5**	AO
Zirconium	mg/L	<0.0001		
Titanium	mg/L	<0.0001		

1 - milligrams per litre (parts per million)

2 - microsiemens per centimeter

3 - Guidelines for Canadian Drinking Water Quality

4 - micrograms per litre (parts per billion)

5 - grams per litre

Acronyms

AO aesthetic objective
MAC maximum acceptable concentration
NTU nephelometric turbidity units
OG operational guidance value
TCU true colour units

Langdale Water Potability Test Results

Date: September 17, 2020

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-04	GCDWQ[3]	
Anions				OG/AO/MAC
Chloride	mg/L [1]	3.09	**250**	AO
Nitrate (as N)	mg/L	0.2	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	11	**500**	AO
BCMOE Aggregate Hydrocarbons				
VHw (6-10)	ug/L[4]	<50		
VPHw	ug/L	<50		
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	37		
Dissolved Metals				
Aluminum, dissolved	mg/L	<0.001		
Antimony, dissolved	mg/L	<0.00002	**0.006**	MAC
Arsenic, dissolved	mg/L	<0.0033	**0.01**	MAC
Barium, dissolved	mg/L	<0.004	**2**	MAC
Beryllium, dissolved	mg/L	<0.00005		
Bismuth, dissolved	mg/L	<0.0001		
Boron, dissolved	mg/L	<0.008	**5**	MAC
Cadmium, dissolved	mg/L	0.00001	**0.007**	MAC
Calcium, dissolved	mg/L	7.5		
Chromium, dissolved	mg/L	0.00018	**0.05**	MAC
Cobalt, dissolved	mg/L	<0.00002		
Copper, dissolved	mg/L	0.025	**2**	MAC
Iron, dissolved	mg/L	0.032	**0.3**	AO
Lead, dissolved	mg/L	0.0002	**0.005**	MAC
Lithium, dissolved	mg/L	0.0013		
Magnesium, dissolved	mg/L	4.3		
Manganese, dissolved	mg/L	0.003	**0.12**	MAC
Mercury, dissolved	mg/L	<0.0001	**0.001**	MAC
Molybdenum, dissolved	mg/L	0.0028		
Nickel, dissolved	mg/L	<0.0002		
Potassium, dissolved	mg/L	2.3		
Selenium, dissolved	mg/L	0.0004	**0.05**	MAC
Silicon, dissolved	mg/L	15		
Silver, dissolved	mg/L	<0.00001		
Sodium, dissolved	mg/L	6.6	**200**	AO
Strontium, dissolved	mg/L	0.031	**7**	MAC
Sulfur, dissolved	mg/L	0.0039		
Thallium, dissolved	mg/L	<0.00001		
Thorium, dissolved	mg/L	<0.00005		

Langdale Water Potability Test Results

Date: September 17, 2020

Sample collected in the Langdale Water System

Dissolved Metals-continued	**UNITS**	**LA-04**	**GCDWQ[3]**	
Vanadium, dissolved	mg/L	0.0042		
Zinc, dissolved	mg/L	0.014	**5**	AO
Zirconium, dissolved	mg/L	<0.0001		
General Parameters				
Alkalinity, Total (as CaCO3)	mg/L	40		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	49		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Ammonia, Total (as N)	mg/L	0.02		
Carbon, Dissolved Organic	mg/L	<0.5		
Chemical Oxygen Demand	mg/L	<10		
Nitrogen, Total Kjeldahl	mg/L	<0.07		
pH	pH units	7.46	**7.0-10.5**	OG
Conductivity	µS/cm [2]	116		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	MAC

1 - milligrams per litre (parts per million)

2 - microsiemens per centimeter

3 - Guidelines for Canadian Drinking Water Quality

4 - micrograms per litre (parts per billion)

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

Soames Water Potability Test Results

Date: September 17, 2020

Sample collected in the Soames Water System

PARAMETERS	UNITS	SO - 03	GCDWQ[a]	
Anions				OG/AO/MAC
Chloride	mg/L [1]	5.63	**250**	AO
Nitrate (as N)	mg/L	0.6	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	8.3	**500**	AO
BCMOE Aggregate Hydrocarbons				
VHw (6-10)	ug/L[4]	<50		
VPHw	ug/L	<50		
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	45		
Dissolved Metals				
Aluminum, dissolved	mg/L	0.007		
Antimony, dissolved	mg/L	0.00006	**0.006**	MAC
Arsenic, dissolved	mg/L	0.0024	**0.01**	MAC
Barium, dissolved	mg/L	0.0056	**2**	MAC
Beryllium, dissolved	mg/L	<0.00005		
Bismuth, dissolved	mg/L	<0.0001		
Boron, dissolved	mg/L	0.006	**5**	MAC
Cadmium, dissolved	mg/L	<0.00001	**0.007**	MAC
Calcium, dissolved	mg/L	9.2		
Chromium, dissolved	mg/L	0.00043	**0.05**	MAC
Cobalt, dissolved	mg/L	<0.00002		
Copper, dissolved	mg/L	0.0044	**2**	MAC
Iron, dissolved	mg/L	0.016	**0.3**	AO
Lead, dissolved	mg/L	0.00031	**0.005**	MAC
Lithium, dissolved	mg/L	0.001		
Magnesium, dissolved	mg/L	5.5		
Manganese, dissolved	mg/L	<0.001	**0.12**	MAC
Mercury, dissolved	mg/L	<0.00001	**0.001**	MAC
Molybdenum, dissolved	mg/L	0.0014		
Nickel, dissolved	mg/L	<0.0002		
Potassium, dissolved	mg/L	2.8		
Selenium, dissolved	mg/L	0.0004	**0.05**	MAC
Silicon, dissolved	mg/L	18		
Silver, dissolved	mg/L	<0.00001		
Sodium, dissolved	mg/L	6.8	**200**	AO
Strontium, dissolved	mg/L	0.03	**7**	MAC
Sulfur, dissolved	mg/L	3		
Thallium, dissolved	mg/L	<0.00001		
Thorium, dissolved	mg/L	<0.00005		

Soames Water Potability Test Results

Date: September 17, 2020

Sample collected in the Soames Water System

Dissolved Metals-continued	**UNITS**	**SO - 03**	**GCDWQ[3]**	
Vanadium, dissolved	mg/L	0.009		
Zinc, dissolved	mg/L	0.0061	**5**	AO
Zirconium, dissolved	mg/L	<0.0001		
General Parameters				
Alkalinity, Total (as CaCO3)	mg/L	47		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	58		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Ammonia, Total (as N)	mg/L	0.01		
Carbon, Dissolved Organic	mg/L	<0.5		
Chemical Oxygen Demand	mg/L	<10		
Nitrogen, Total Kjeldahl	mg/L	<0.07		
pH	pH units	7.55	**7.0-10.5**	OG
Conductivity	µS/cm [2]	134		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	MAC

1 - milligrams per litre (parts per million)

2 - microsiemens per centimeter

3 - Guidelines for Canadian Drinking Water Quality

4 - micrograms per litre (parts per billion)

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value

TCU true colour units

Granthams Water Potability Test Results

Date: September 17, 2020

Sample collected in the Granthams Water System

PARAMETERS	UNITS	GL - 02	GCDWQ[3]	
Anions				OG/AO/MAC
Chloride	mg/L [1]	4.35	**250**	AO
Nitrate (as N)	mg/L	0.42	**10**	MAC
Nitrite (as N)	mg/L	<0.01	**1**	MAC
Sulfate	mg/L	8.5	**500**	AO
BCMOE Aggregate Hydrocarbons				
VHw (6-10)	ug/L[4]	<50		
VPHw	ug/L	<50		
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	39		
Dissolved Metals				
Aluminum, dissolved	mg/L	0.001		
Antimony, dissolved	mg/L	0.00004	**0.006**	MAC
Arsenic, dissolved	mg/L	0.002	**0.01**	MAC
Barium, dissolved	mg/L	0.0045	**2**	MAC
Beryllium, dissolved	mg/L	<0.00005		
Bismuth, dissolved	mg/L	<0.0001		
Boron, dissolved	mg/L	0.005	**5**	MAC
Cadmium, dissolved	mg/L	<0.00001	**0.007**	MAC
Calcium, dissolved	mg/L	8.4		
Chromium, dissolved	mg/L	0.00034	**0.05**	MAC
Cobalt, dissolved	mg/L	<0.00002		
Copper, dissolved	mg/L	0.0046	**2**	MAC
Iron, dissolved	mg/L	0.002	**0.3**	AO
Lead, dissolved	mg/L	0.00006	**0.005**	MAC
Lithium, dissolved	mg/L	0.0007		
Magnesium, dissolved	mg/L	4.5		
Manganese, dissolved	mg/L	<0.001	**0.12**	MAC
Mercury, dissolved	mg/L	<0.01	**0.001**	MAC
Molybdenum, dissolved	mg/L	0.0012		
Nickel, dissolved	mg/L	<0.0002		
Potassium, dissolved	mg/L	2.6		
Selenium, dissolved	mg/L	0.0004	**0.05**	MAC
Silicon, dissolved	mg/L	17		
Silver, dissolved	mg/L	<0.00001		
Sodium, dissolved	mg/L	6.1	**200**	AO
Strontium, dissolved	mg/L	0.028	**7**	MAC
Sulfur, dissolved	mg/L	3		
Thallium, dissolved	mg/L	<0.00001		
Thorium, dissolved	mg/L	<0.00005		

Granthams Water Potability Test Results

Date: September 17, 2020

Sample collected in the Granthams Water System

Dissolved Metals-continued	**UNITS**	**GL - 02**	**GCDWQ[3]**	
Vanadium, dissolved	mg/L	0.0075		
Zinc, dissolved	mg/L	0.0053	**5**	AO
Zirconium, dissolved	mg/L	<0.0001		
General Parameters				
Alkalinity, Total (as CaCO3)	mg/L	42		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<5		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	51		
Alkalinity, Carbonate (as CaCO3)	mg/L	<6		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<5		
Ammonia, Total (as N)	mg/L	0.02		
Carbon, Dissolved Organic	mg/L	<0.5		
Chemical Oxygen Demand	mg/L	<10		
Nitrogen, Total Kjeldahl	mg/L	<0.07		
pH	pH units	7.57	**7.0-10.5**	OG
Conductivity	µS/cm [2]	119		
Volatile Organic Compounds (VOC)				
Benzene	mg/L	<0.0005	**0.005**	MAC
Ethylbenzene	mg/L	<0.0005	**0.14**	MAC
Methyl tert-butyl ether	mg/L	<0.0005	**0.015**	AO
Styrene	mg/L	<0.0005		
Toluene	mg/L	<0.0005	**0.06**	MAC
Xylenes (total)	mg/L	<0.0005	**0.09**	MAC

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Acronyms

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