Chapman Creek Water Potability Test Results

Date: February 13, 2019

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-26	GCDWQ[3]	
Anions				
Chloride	mg/L [1]	14.3	**250**	AO
Fluoride	mg/L	<0.10	**1.5**	MAC
Nitrate (as N)	mg/L	0.034	**10**	MAC
Nitrite (as N)	mg/L	<0.010	**1**	MAC
Sulfate	mg/L	<1.0	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	7.54		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	23.7		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	23.7		
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0		
Phosphorus, Total (as P)	mg/L	0.0033		
Solids, Total Dissolved	mg/L	51	**500**	AO
Turbidity	NTU	<0.10	**5**	MAC
pH	pH units	7.73	**7.0-10.5**	OG
Conductivity (EC)	µS/cm [2]	95.6		
Total Metals				
Aluminum, total	mg/L	0.03	**0.2**	OG
Antimony, total	mg/L	<0.00020	**0.006**	MAC
Arsenic, total	mg/L	<0.00050	**0.01**	MAC
Barium, total	mg/L	<0.0050	**1**	MAC
Beryllium, total	mg/L	<0.00010		
Bismuth, total	mg/L	<0.00010		
Boron, total	mg/L	0.01	**5**	AO
Cadmium, total	mg/L	<0.000010	**0.005**	MAC
Calcium, total	mg/L	2.59		
Chromium, total	mg/L	<0.00050	**0.05**	MAC
Cobalt, total	mg/L	<0.00010		
Copper, total	mg/L	0.00	**1**	AO
Iron, total	mg/L	0.04	**0.3**	AO
Lead, total	mg/L	<0.00020	**0.01**	MAC
Lithium, total	mg/L	0.00		
Magnesium, total	mg/L	0.26		
Manganese, total	mg/L	0.00	**0.05**	AO
Mercury, total	mg/L	<0.000010	**0.001**	MAC
Molybdenum, total	mg/L	0.00		
Nickel, total	mg/L	<0.00040		
Phosphorus, total	mg/L	<0.050		

Chapman Creek Water Potability Test Results

Date: February 13, 2019

Sample collected for Chapman Creek Water System

Total Metals-continued	**UNITS**	**CH-26**	**GCDWQ[3]**	
Potassium, total	mg/L	<0.10		
Selenium, total	mg/L	<0.00050	**0.05**	MAC
Silicon, total	mg/L	1.90		
Silver, total	mg/L	<0.000050		
Sodium, total	mg/L	14.80	**200**	AO
Strontium, total	mg/L	0.01		
Sulfur, total	mg/L	<3.0		
Tellurium, total	mg/L	<0.00050		
Thallium, total	mg/L	<0.000020		
Thorium, total	mg/L	<0.00010		
Tin, total	mg/L	<0.00020		
Titanium, total	mg/L	<0.0050		
Tungsten, total	mg/L	<0.0010		
Uranium, total	mg/L	<0.000020	**0.02**	MAC
Vanadium, total	mg/L	<0.0010		
Zinc, total	mg/L	<0.0040	**5**	AO
Zirconium, total	mg/L	<0.00010		
Volatile Organic Compounds (VOC)				
Benzene	ug/L [4]	<0.5	**0.000005**	MAC
Carbon tetrachloride	ug/L	<0.5		
Chlorobenzene	ug/L	<1.0		
Chloroethane	ug/L	<2.0		
1,2-Dibromoethane	ug/L	<0.3		
Dibromomethane	ug/L	<1.0		
1,2-Dichlorobenzene	ug/L	<0.5	**0.0002**	MAC
1,3-Dichlorobenzene	ug/L	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	**0.000005**	MAC
1,1-Dichloroethane	ug/L	<1.0		
1,2-Dichloroethane	ug/L	<1.0	**0.00005**	MAC
1,1-Dichloroethylene	ug/L	<1.0	**0.000014**	MAC
cis-1,2-Dichloroethylene	ug/L	<1.0		
trans-1,2-Dichloroethylene	ug/L	<1.0		
Dichloromethane	ug/L	<3.0	**0.00005**	MAC
1,2-Dichloropropane	ug/L	<1.0		
1,3-Dichloropropene (cis + trans)	ug/L	<1.0		
Ethylbenzene	ug/L	<1.0	**0.00014**	MAC
Methyl tert-butyl ether	ug/L	<1.0		
Styrene	ug/L	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<0.5		
Tetrachloroethylene	ug/L	<1.0	**0.00001**	MAC
Toluene	ug/L	<1.0	**0.00006**	MAC
1,1,1-Trichloroethane	ug/L	<1.0		

Chapman Creek Water Potability Test Results

Date: February 13, 2019

Sample collected for Chapman Creek Water System

VOC-continued	UNITS	CH-26	GCDWQ[3]	
1,1,2-Trichloroethane	ug/L	<1.0		
Trichloroethylene	ug/L	<1.0	**0.000005**	MAC
Trichlorofluoromethane	ug/L	<1.0		
Vinyl chloride	ug/L	<1.0	**0.000002**	MAC
Xylenes (total)	ug/L	<2.0	**0.00009**	AO

South Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-03	GCDWQ[3]	
Anions				
Chloride	mg/L [1]	9.64	**250**	AO
Fluoride	mg/L	<0.10	**1.5**	MAC
Nitrate (as N)	mg/L	<0.010	**10**	MAC
Nitrite (as N)	mg/L	0.011	**1**	MAC
Sulfate	mg/L	1.5	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	10		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	30.6		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	30.6		
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0		
Phosphorus, Total (as P)	mg/L	0.0046		
Solids, Total Dissolved	mg/L	50	**500**	AO
Turbidity	NTU	<0.10	**5**	MAC
pH	pH units	7.65	**7.0-10.5**	OG
Conductivity (EC)	µS/cm [2]	95.3		
Total Metals				
Aluminum, total	mg/L	0.05	**0.2**	OG
Antimony, total	mg/L	<0.00020	**0.006**	MAC
Arsenic, total	mg/L	<0.00050	**0.01**	MAC
Barium, total	mg/L	<0.0050	**1**	MAC
Beryllium, total	mg/L	<0.00010		
Bismuth, total	mg/L	<0.00010		
Boron, total	mg/L	0.02	**5**	AO
Cadmium, total	mg/L	<0.000010	**0.005**	MAC
Calcium, total	mg/L	3.33		
Chromium, total	mg/L	<0.00050	**0.05**	MAC
Cobalt, total	mg/L	<0.00010		

Copper, total	mg/L	0.00	**1**	AO
Iron, total	mg/L	0.03	**0.3**	AO
Lead, total	mg/L	<0.00020	**0.01**	MAC
Lithium, total	mg/L	0.00		
Magnesium, total	mg/L	0.41		
Manganese, total	mg/L	0.00	**0.05**	AO
Mercury, total	mg/L	<0.000010	**0.001**	MAC
Molybdenum, total	mg/L	0.00		
Nickel, total	mg/L	<0.00040		
Phosphorus, total	mg/L	<0.050		

South Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for South Pender Water System

Total Metals-continued	**UNITS**	**SP-03**	**GCDWQ[3]**	
Potassium, total	mg/L	0.41		
Selenium, total	mg/L	<0.00050	**0.05**	MAC
Silicon, total	mg/L	4.50		
Silver, total	mg/L	<0.000050		
Sodium, total	mg/L	14.60	**200**	AO
Strontium, total	mg/L	0.02		
Sulfur, total	mg/L	<3.0		
Tellurium, total	mg/L	<0.00050		
Thallium, total	mg/L	<0.000020		
Thorium, total	mg/L	<0.00010		
Tin, total	mg/L	<0.00020		
Titanium, total	mg/L	<0.0050		
Tungsten, total	mg/L	<0.0010		
Uranium, total	mg/L	<0.000020	**0.02**	MAC
Vanadium, total	mg/L	<0.0010		
Zinc, total	mg/L	<0.0040	**5**	AO
Zirconium, total	mg/L	0.00		
Volatile Organic Compounds (VOC)				
Benzene	ug/L [4]	<0.5	**0.000005**	MAC
Carbon tetrachloride	ug/L	<0.5		
Chlorobenzene	ug/L	<1.0		
Chloroethane	ug/L	<2.0		
1,2-Dibromoethane	ug/L	<0.3		
Dibromomethane	ug/L	<1.0		
1,2-Dichlorobenzene	ug/L	<0.5	**0.0002**	MAC
1,3-Dichlorobenzene	ug/L	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	**0.000005**	MAC
1,1-Dichloroethane	ug/L	<1.0		
1,2-Dichloroethane	ug/L	<1.0	**0.00005**	MAC
1,1-Dichloroethylene	ug/L	<1.0	**0.000014**	MAC
cis-1,2-Dichloroethylene	ug/L	<1.0		
trans-1,2-Dichloroethylene	ug/L	<1.0		

Dichloromethane	ug/L	<3.0	**0.00005**	MAC
1,2-Dichloropropane	ug/L	<1.0		
1,3-Dichloropropene (cis + trans)	ug/L	<1.0		
Ethylbenzene	ug/L	<1.0	**0.00014**	MAC
Methyl tert-butyl ether	ug/L	<1.0		
Styrene	ug/L	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<0.5		
Tetrachloroethylene	ug/L	<1.0	**0.00001**	MAC
Toluene	ug/L	<1.0	**0.00006**	MAC
1,1,1-Trichloroethane	ug/L	<1.0		

South Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for South Pender Water System

VOC-continued	**UNITS**	**SP-03**	**GCDWQ[3]**	
1,1,2-Trichloroethane	ug/L	<1.0		
Trichloroethylene	ug/L	<1.0	**0.000005**	MAC
Trichlorofluoromethane	ug/L	<1.0		
Vinyl chloride	ug/L	<1.0	**0.000002**	MAC
Xylenes (total)	ug/L	<2.0	**0.00009**	AO

North Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for North Pender Water System

PARAMETERS	**UNITS**	**NP-07**	**GCDWQ[3]**	
Anions				
Chloride	mg/L [1]	10.5	**250**	AO
Fluoride	mg/L	<0.10	**1.5**	MAC
Nitrate (as N)	mg/L	0.049	**10**	MAC
Nitrite (as N)	mg/L	0.023	**1**	MAC
Sulfate	mg/L	2.9	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	17		
General Parameters				
Colour, True	TCU	5.5	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	20.6		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	20.6		
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0		
Phosphorus, Total (as P)	mg/L	0.0063		
Solids, Total Dissolved	mg/L	50	**500**	AO
Turbidity	NTU	0.34	**5**	MAC
pH	pH units	7.32	**7.0-10.5**	OG
Conductivity (EC)	µS/cm [2]	86		
Total Metals				
Aluminum, total	mg/L	0.02	**0.2**	OG

Antimony, total	mg/L	<0.00020	**0.006**	MAC
Arsenic, total	mg/L	<0.00050	**0.01**	MAC
Barium, total	mg/L	<0.0050	**1**	MAC
Beryllium, total	mg/L	<0.00010		
Bismuth, total	mg/L	<0.00010		
Boron, total	mg/L	0.01	**5**	AO
Cadmium, total	mg/L	0.00	**0.005**	MAC
Calcium, total	mg/L	5.32		
Chromium, total	mg/L	0.00	**0.05**	MAC
Cobalt, total	mg/L	<0.00010		
Copper, total	mg/L	0.00	**1**	AO
Iron, total	mg/L	0.18	**0.3**	AO
Lead, total	mg/L	<0.00020	**0.01**	MAC
Lithium, total	mg/L	0.00		
Magnesium, total	mg/L	0.91		
Manganese, total	mg/L	0.01	**0.05**	AO
Mercury, total	mg/L	<0.000010	**0.001**	MAC
Molybdenum, total	mg/L	0.00		
Nickel, total	mg/L	0.00		
Phosphorus, total	mg/L	<0.050		

North Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for North Pender Water System

Total Metals-continued	**UNITS**	**NP-07**	**GCDWQ[3]**	
Potassium, total	mg/L	0.55		
Selenium, total	mg/L	<0.00050	**0.05**	MAC
Silicon, total	mg/L	3.10		
Silver, total	mg/L	<0.000050		
Sodium, total	mg/L	8.69	**200**	AO
Strontium, total	mg/L	0.02		
Sulfur, total	mg/L	<3.0		
Tellurium, total	mg/L	<0.00050		
Thallium, total	mg/L	<0.000020		
Thorium, total	mg/L	<0.00010		
Tin, total	mg/L	<0.00020		
Titanium, total	mg/L	<0.0050		
Tungsten, total	mg/L	<0.0010		
Uranium, total	mg/L	0.00	**0.02**	MAC
Vanadium, total	mg/L	<0.0010		
Zinc, total	mg/L	0.01	**5**	AO
Zirconium, total	mg/L	<0.00010		
Volatile Organic Compounds (VOC)				
Benzene	ug/L[4]	<0.5	**0.000005**	MAC
Carbon tetrachloride	ug/L	<0.5		
Chlorobenzene	ug/L	<1.0		
Chloroethane	ug/L	<2.0		

1,2-Dibromoethane	ug/L	<0.3		
Dibromomethane	ug/L	<1.0		
1,2-Dichlorobenzene	ug/L	<0.5	**0.0002**	MAC
1,3-Dichlorobenzene	ug/L	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	**0.000005**	MAC
1,1-Dichloroethane	ug/L	<1.0		
1,2-Dichloroethane	ug/L	<1.0	**0.00005**	MAC
1,1-Dichloroethylene	ug/L	<1.0	**0.000014**	MAC
cis-1,2-Dichloroethylene	ug/L	<1.0		
trans-1,2-Dichloroethylene	ug/L	<1.0		
Dichloromethane	ug/L	<3.0	**0.00005**	MAC
1,2-Dichloropropane	ug/L	<1.0		
1,3-Dichloropropene (cis + trans)	ug/L	<1.0		
Ethylbenzene	ug/L	<1.0	**0.00014**	MAC
Methyl tert-butyl ether	ug/L	<1.0		
Styrene	ug/L	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<0.5		
Tetrachloroethylene	ug/L	<1.0	**0.00001**	MAC
Toluene	ug/L	<1.0	**0.00006**	MAC
1,1,1-Trichloroethane	ug/L	<1.0		

North Pender Water Potability Test Results

Date: February 13, 2019

Sample collected for North Pender Water System

VOC-continued	**UNITS**	**NP-07**	**GCDWQ³**	
1,1,2-Trichloroethane	ug/L	<1.0		
Trichloroethylene	ug/L	<1.0	**0.000005**	MAC
Trichlorofluoromethane	ug/L	<1.0		
Vinyl chloride	ug/L	<1.0	**0.000002**	MAC
Xylenes (total)	ug/L	<2.0	**0.00009**	AO

Ruby Lake Water Potability Test Results

Date: February 13, 2019

Sample collected for Ruby Lake Water System

PARAMETERS	**UNITS**	**RL-03**	**GCDWQ³**	
Anions				
Chloride	mg/L [1]	6.76	**250**	AO
Fluoride	mg/L	<0.10	**1.5**	MAC
Nitrate (as N)	mg/L	<0.010	**10**	MAC
Nitrite (as N)	mg/L	0.048	**1**	MAC
Sulfate	mg/L	3.1	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	17.9		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	20.1		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0		

Alkalinity, Bicarbonate (as CaCO3)	mg/L	20.1		
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0		
Phosphorus, Total (as P)	mg/L	0.0067		
Solids, Total Dissolved	mg/L	41	**500**	AO
Turbidity	NTU	<0.10	**5**	MAC
pH	pH units	7.96	**7.0-10.5**	OG
Conductivity (EC)	µS/cm [2]	71.4		
Total Metals				
Aluminum, total	mg/L	0.01	**0.2**	OG
Antimony, total	mg/L	<0.00020	**0.006**	MAC
Arsenic, total	mg/L	<0.00050	**0.01**	MAC
Barium, total	mg/L	<0.0050	**1**	MAC
Beryllium, total	mg/L	<0.00010		
Bismuth, total	mg/L	<0.00010		
Boron, total	mg/L	0.01	**5**	AO
Cadmium, total	mg/L	<0.000010	**0.005**	MAC
Calcium, total	mg/L	6.13		
Chromium, total	mg/L	<0.00050	**0.05**	MAC
Cobalt, total	mg/L	<0.00010		
Copper, total	mg/L	0.00	**1**	AO
Iron, total	mg/L	0.12	**0.3**	AO
Lead, total	mg/L	<0.00020	**0.01**	MAC
Lithium, total	mg/L	0.00		
Magnesium, total	mg/L	0.62		
Manganese, total	mg/L	0.00	**0.05**	AO
Mercury, total	mg/L	<0.000010	**0.001**	MAC
Molybdenum, total	mg/L	0.00		
Nickel, total	mg/L	<0.00040		
Phosphorus, total	mg/L	<0.050		

Ruby Lake Water Potability Test Results

Date: February 13, 2019

Sample collected for Ruby Lake Water System

Total Metals-continued	**UNITS**	**RL-03**	**GCDWQ[3]**	
Potassium, total	mg/L	0.29		
Selenium, total	mg/L	<0.00050	**0.05**	MAC
Silicon, total	mg/L	1.60		
Silver, total	mg/L	<0.000050		
Sodium, total	mg/L	5.65	**200**	AO
Strontium, total	mg/L	0.02		
Sulfur, total	mg/L	<3.0		
Tellurium, total	mg/L	<0.00050		
Thallium, total	mg/L	<0.000020		
Thorium, total	mg/L	<0.00010		
Tin, total	mg/L	<0.00020		
Titanium, total	mg/L	<0.0050		

Tungsten, total	mg/L	<0.0010		
Uranium, total	mg/L	<0.000020	**0.02**	MAC
Vanadium, total	mg/L	<0.0010		
Zinc, total	mg/L	0.01	**5**	AO
Zirconium, total	mg/L	<0.00010		
Volatile Organic Compounds (VOC)				
Benzene	ug/L [4]	<0.5	**0.000005**	MAC
Carbon tetrachloride	ug/L	<0.5		
Chlorobenzene	ug/L	<1.0		
Chloroethane	ug/L	<2.0		
1,2-Dibromoethane	ug/L	<0.3		
Dibromomethane	ug/L	<1.0		
1,2-Dichlorobenzene	ug/L	<0.5	**0.0002**	MAC
1,3-Dichlorobenzene	ug/L	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	**0.000005**	MAC
1,1-Dichloroethane	ug/L	<1.0		
1,2-Dichloroethane	ug/L	<1.0	**0.00005**	MAC
1,1-Dichloroethylene	ug/L	<1.0	**0.000014**	MAC
cis-1,2-Dichloroethylene	ug/L	<1.0		
trans-1,2-Dichloroethylene	ug/L	<1.0		
Dichloromethane	ug/L	<3.0	**0.00005**	MAC
1,2-Dichloropropane	ug/L	<1.0		
1,3-Dichloropropene (cis + trans)	ug/L	<1.0		
Ethylbenzene	ug/L	<1.0	**0.00014**	MAC
Methyl tert-butyl ether	ug/L	<1.0		
Styrene	ug/L	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<0.5		
Tetrachloroethylene	ug/L	<1.0	**0.00001**	MAC
Toluene	ug/L	<1.0	**0.00006**	MAC
1,1,1-Trichloroethane	ug/L	<1.0		

Ruby Lake Water Potability Test Results

Date: February 13, 2019

Sample collected for Ruby Lake Water System

VOC-continued	**UNITS**	**RL-03**	**GCDWQ[3]**	
1,1,2-Trichloroethane	ug/L	<1.0		
Trichloroethylene	ug/L	<1.0	**0.000005**	MAC
Trichlorofluoromethane	ug/L	<1.0		
Vinyl chloride	ug/L	<1.0	**0.000002**	MAC
Xylenes (total)	ug/L	<2.0	**0.00009**	AO

Egmont Water Potability Test Results

Date: February 13, 2019

Sample collected for Egmont Water System

PARAMETERS	**UNITS**	**EG-02**	**GCDWQ[3]**	
Anions				
Chloride	mg/L [1]	6.07	**250**	AO

Fluoride	mg/L	<0.10	**1.5**	MAC
Nitrate (as N)	mg/L	0.056	**10**	MAC
Nitrite (as N)	mg/L	0.047	**1**	MAC
Sulfate	mg/L	1.3	**500**	AO
Calculated Parameters				
Hardness, Total (as CaCO3)	mg/L	12.7		
General Parameters				
Colour, True	TCU	<5.0	**15**	AO
Alkalinity, Total (as CaCO3)	mg/L	13.9		
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0		
Alkalinity, Bicarbonate (as CaCO3)	mg/L	13.9		
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0		
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0		
Phosphorus, Total (as P)	mg/L	0.0055		
Solids, Total Dissolved	mg/L	37	**500**	AO
Turbidity	NTU	<0.10	**5**	MAC
pH	pH units	7.62	**7.0-10.5**	OG
Conductivity (EC)	µS/cm [2]	56.6		
Total Metals				
Aluminum, total	mg/L	0.03	**0.2**	OG
Antimony, total	mg/L	<0.00020	**0.006**	MAC
Arsenic, total	mg/L	<0.00050	**0.01**	MAC
Barium, total	mg/L	<0.0050	**1**	MAC
Beryllium, total	mg/L	<0.00010		
Bismuth, total	mg/L	<0.00010		
Boron, total	mg/L	0.01	**5**	AO
Cadmium, total	mg/L	<0.000010	**0.005**	MAC
Calcium, total	mg/L	4.49		
Chromium, total	mg/L	<0.00050	**0.05**	MAC
Cobalt, total	mg/L	<0.00010		
Copper, total	mg/L	0.00	**1**	AO
Iron, total	mg/L	0.09	**0.3**	AO
Lead, total	mg/L	<0.00020	**0.01**	MAC
Lithium, total	mg/L	0.00		
Magnesium, total	mg/L	0.36		
Manganese, total	mg/L	0.00	**0.05**	AO
Mercury, total	mg/L	<0.000010	**0.001**	MAC
Molybdenum, total	mg/L	0.00		
Nickel, total	mg/L	<0.00040		
Phosphorus, total	mg/L	<0.050		

Egmont Water Potability Test Results

Date: February 13, 2019

Sample collected for Egmont Water System

Total Metals-continued	**UNITS**	**EG-02**	**GCDWQ[3]**	
Potassium, total	mg/L	0.17		
Selenium, total	mg/L	<0.00050	**0.05**	MAC

Silicon, total	mg/L	2.30		
Silver, total	mg/L	<0.000050		
Sodium, total	mg/L	4.97	**200**	AO
Strontium, total	mg/L	0.01		
Sulfur, total	mg/L	<3.0		
Tellurium, total	mg/L	<0.00050		
Thallium, total	mg/L	<0.000020		
Thorium, total	mg/L	<0.00010		
Tin, total	mg/L	<0.00020		
Titanium, total	mg/L	<0.0050		
Tungsten, total	mg/L	<0.0010		
Uranium, total	mg/L	<0.000020	**0.02**	MAC
Vanadium, total	mg/L	<0.0010		
Zinc, total	mg/L	0.02	**5**	AO
Zirconium, total	mg/L	<0.00010		
Volatile Organic Compounds (VOC)				
Benzene	ug/L [4]	<0.5	**0.000005**	MAC
Carbon tetrachloride	ug/L	<0.5		
Chlorobenzene	ug/L	<1.0		
Chloroethane	ug/L	<2.0		
1,2-Dibromoethane	ug/L	<0.3		
Dibromomethane	ug/L	<1.0		
1,2-Dichlorobenzene	ug/L	<0.5	**0.0002**	MAC
1,3-Dichlorobenzene	ug/L	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	**0.000005**	MAC
1,1-Dichloroethane	ug/L	<1.0		
1,2-Dichloroethane	ug/L	<1.0	**0.00005**	MAC
1,1-Dichloroethylene	ug/L	<1.0	**0.000014**	MAC
cis-1,2-Dichloroethylene	ug/L	<1.0		
trans-1,2-Dichloroethylene	ug/L	<1.0		
Dichloromethane	ug/L	<3.0	**0.00005**	MAC
1,2-Dichloropropane	ug/L	<1.0		
1,3-Dichloropropene (cis + trans)	ug/L	<1.0		
Ethylbenzene	ug/L	<1.0	**0.00014**	MAC
Methyl tert-butyl ether	ug/L	<1.0		
Styrene	ug/L	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<0.5		
Tetrachloroethylene	ug/L	<1.0	**0.00001**	MAC
Toluene	ug/L	<1.0	**0.00006**	MAC
1,1,1-Trichloroethane	ug/L	<1.0		

Egmont Water Potability Test Results

Date: February 13, 2019

Sample collected for Egmont Water System

VOC-continued	**UNITS**	**EG-02**	**GCDWQ[3]**	
1,1,2-Trichloroethane	ug/L	<1.0		
Trichloroethylene	ug/L	<1.0	**0.000005**	MAC

Trichlorofluoromethane	ug/L	<1.0		
Vinyl chloride	ug/L	<1.0	**0.000002**	MAC
Xylenes (total)	ug/L	<2.0	**0.00009**	AO

Langdale Water Potability Test Results

Date: February 13, 2019

Sample collected in the Langdale Water System

PARAMETERS	**UNITS**	**LA-04**
Anions		
Chloride	mg/L [1]	2.6
Nitrate (as N)	mg/L	0.232
Nitrite (as N)	mg/L	<0.010
Sulfate	mg/L	11.6
BCMOE Aggregate Hydrocarbons		
VHw (6-10)	ug/L	<100
VPHw	ug/L	<100
Calculated Parameters		
Hardness, Total (as CaCO3)	mg/L	34.3
Dissolved Metals		
Aluminum, dissolved	mg/L	<0.0050
Antimony, dissolved	mg/L	<0.00020
Arsenic, dissolved	mg/L	0.00369
Barium, dissolved	mg/L	<0.0050
Beryllium, dissolved	mg/L	<0.00010
Bismuth, dissolved	mg/L	<0.00010
Boron, dissolved	mg/L	0.0132
Cadmium, dissolved	mg/L	0.000015
Calcium, dissolved	mg/L	6.02
Chromium, dissolved	mg/L	<0.00050
Cobalt, dissolved	mg/L	<0.00010
Copper, dissolved	mg/L	0.0192
Iron, dissolved	mg/L	0.073
Lead, dissolved	mg/L	0.00023
Lithium, dissolved	mg/L	0.00135
Magnesium, dissolved	mg/L	4.66
Manganese, dissolved	mg/L	0.00683
Mercury, dissolved	mg/L	<0.000010
Molybdenum, dissolved	mg/L	0.0027
Nickel, dissolved	mg/L	<0.00040
Phosphorus, dissolved	mg/L	0.072
Potassium, dissolved	mg/L	2.09
Selenium, dissolved	mg/L	<0.00050
Silicon, dissolved	mg/L	16.4
Silver, dissolved	mg/L	<0.000050
Sodium, dissolved	mg/L	6.67
Strontium, dissolved	mg/L	0.027

Sulfur, dissolved	mg/L	4
Tellurium, dissolved	mg/L	<0.00050
Thallium, dissolved	mg/L	<0.000020
Thorium, dissolved	mg/L	<0.00010

Langdale Water Potability Test Results

Date: February 13, 2019

Sample collected in the Langdale Water System

Dissolved Metals-continued	**UNITS**	**LA-04**
Vanadium, dissolved	mg/L	0.0034
Zinc, dissolved	mg/L	0.0044
Zirconium, dissolved	mg/L	<0.00010
General Parameters		
Alkalinity, Total (as CaCO3)	mg/L	38.2
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0
Alkalinity, Bicarbonate (as CaCO3)	mg/L	38.2
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0
Ammonia, Total (as N)	mg/L	<0.020
Carbon, Dissolved Organic	mg/L	<0.50
Chemical Oxygen Demand	mg/L	<20
Nitrogen, Total Kjeldahl	mg/L	<0.050
Phosphorus, Total (as P)	mg/L	0.0588
Turbidity	NTU	<0.10
pH	pH units	7.23
Conductivity (EC)	uS/cm [2]	111
Volatile Organic Compounds (VOC)		
Benzene	ug/L	<0.5
Bromodichloromethane	ug/L	<1.0
Bromoform	ug/L	2.6
Carbon tetrachloride	ug/L	<0.5
Chlorobenzene	ug/L	<1.0
Chloroethane	ug/L	<2.0
Chloroform	ug/L	<1.0
Dibromochloromethane	ug/L	<1.0
1,2-Dibromoethane	ug/L	<0.3
Dibromomethane	ug/L	<1.0
1,2-Dichlorobenzene	ug/L	<0.5
1,3-Dichlorobenzene	ug/L	<1.0
1,4-Dichlorobenzene	ug/L	<1.0
1,1-Dichloroethane	ug/L	<1.0
1,2-Dichloroethane	ug/L	<1.0
1,1-Dichloroethylene	ug/L	<1.0
cis-1,2-Dichloroethylene	ug/L	<1.0
trans-1,2-Dichloroethylene	ug/L	<1.0
Dichloromethane	ug/L	<3.0
1,2-Dichloropropane	ug/L	<1.0

1,3-Dichloropropene (cis + trans)	ug/L	<1.0
Ethylbenzene	ug/L	<1.0
Methyl tert-butyl ether	ug/L	<1.0
Styrene	ug/L	<1.0

Langdale Water Potability Test Results

Date: February 13, 2019

Sample collected in the Langdale Water System

VOC-continued	**UNITS**	**LA-04**
1,1,2-Trichloroethane	ug/L	<1.0
Trichloroethylene	ug/L	<1.0
Trichlorofluoromethane	ug/L	<1.0
Vinyl chloride	ug/L	<1.0
Xylenes (total)	ug/L	<2.0

Soames Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

PARAMETERS	**UNITS**	**SO - 03**
Anions		
Chloride	mg/L [1]	5.4
Nitrate (as N)	mg/L	0.64
Nitrite (as N)	mg/L	<0.010
Sulfate	mg/L	8.7
BCMOE Aggregate Hydrocarbons		
VHw (6-10)	ug/L	<100
VPHw	ug/L	<100
Calculated Parameters		
Hardness, Total (as CaCO3)	mg/L	42.9
Dissolved Metals		
Aluminum, dissolved	mg/L	<0.0050
Antimony, dissolved	mg/L	<0.00020
Arsenic, dissolved	mg/L	0.0025
Barium, dissolved	mg/L	<0.0050
Beryllium, dissolved	mg/L	<0.00010
Bismuth, dissolved	mg/L	<0.00010
Boron, dissolved	mg/L	0.0094
Cadmium, dissolved	mg/L	0.000147
Calcium, dissolved	mg/L	7.89
Chromium, dissolved	mg/L	0.00078
Cobalt, dissolved	mg/L	<0.00010
Copper, dissolved	mg/L	0.00126
Iron, dissolved	mg/L	<0.010
Lead, dissolved	mg/L	<0.00020
Lithium, dissolved	mg/L	0.00099
Magnesium, dissolved	mg/L	5.62
Manganese, dissolved	mg/L	0.0003

Mercury, dissolved	mg/L	<0.000010
Molybdenum, dissolved	mg/L	0.00138
Nickel, dissolved	mg/L	<0.00040
Phosphorus, dissolved	mg/L	0.077
Potassium, dissolved	mg/L	2.49
Selenium, dissolved	mg/L	<0.00050
Silicon, dissolved	mg/L	18.2
Silver, dissolved	mg/L	<0.000050
Sodium, dissolved	mg/L	7.2
Strontium, dissolved	mg/L	0.0272
Sulfur, dissolved	mg/L	<3.0
Tellurium, dissolved	mg/L	<0.00050
Thallium, dissolved	mg/L	<0.000020
Thorium, dissolved	mg/L	<0.00010

Soames Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

Dissolved Metals-continued	**UNITS**	**SO - 03**
Vanadium, dissolved	mg/L	0.0084
Zinc, dissolved	mg/L	<0.0040
Zirconium, dissolved	mg/L	<0.00010
General Parameters		
Alkalinity, Total (as CaCO3)	mg/L	47.4
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0
Alkalinity, Bicarbonate (as CaCO3)	mg/L	47.4
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0
Ammonia, Total (as N)	mg/L	0.023
Carbon, Dissolved Organic	mg/L	<0.50
Chemical Oxygen Demand	mg/L	<20
Nitrogen, Total Kjeldahl	mg/L	<0.050
Phosphorus, Total (as P)	mg/L	0.074
Turbidity	NTU	<0.10
pH	pH units	7.3
Conductivity (EC)	uS/cm [2]	136
Volatile Organic Compounds (VOC)		
Benzene	ug/L	<0.5
Bromodichloromethane	ug/L	<1.0
Bromoform	ug/L	7.1
Carbon tetrachloride	ug/L	<0.5
Chlorobenzene	ug/L	<1.0
Chloroethane	ug/L	<2.0
Chloroform	ug/L	<1.0
Dibromochloromethane	ug/L	<1.0
1,2-Dibromoethane	ug/L	<0.3
Dibromomethane	ug/L	<1.0

1,2-Dichlorobenzene	ug/L	<0.5
1,3-Dichlorobenzene	ug/L	<1.0
1,4-Dichlorobenzene	ug/L	<1.0
1,1-Dichloroethane	ug/L	<1.0
1,2-Dichloroethane	ug/L	<1.0
1,1-Dichloroethylene	ug/L	<1.0
cis-1,2-Dichloroethylene	ug/L	<1.0
trans-1,2-Dichloroethylene	ug/L	<1.0
Dichloromethane	ug/L	<3.0
1,2-Dichloropropane	ug/L	<1.0
1,3-Dichloropropene (cis + trans)	ug/L	<1.0
Ethylbenzene	ug/L	<1.0
Methyl tert-butyl ether	ug/L	<1.0
Styrene	ug/L	<1.0

Soames Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

VOC-continued	**UNITS**	**SO - 03**
1,1,2-Trichloroethane	ug/L	<1.0
Trichloroethylene	ug/L	<1.0
Trichlorofluoromethane	ug/L	<1.0
Vinyl chloride	ug/L	<1.0
Xylenes (total)	ug/L	<2.0

Granthams Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

PARAMETERS	**UNITS**	**GL - 02**
Anions		
Chloride	mg/L [1]	4.01
Nitrate (as N)	mg/L	0.459
Nitrite (as N)	mg/L	<0.010
Sulfate	mg/L	8.7
BCMOE Aggregate Hydrocarbons		
VHw (6-10)	ug/L	<100
VPHw	ug/L	<100
Calculated Parameters		
Hardness, Total (as CaCO3)	mg/L	38.4
Dissolved Metals		
Aluminum, dissolved	mg/L	<0.0050
Antimony, dissolved	mg/L	<0.00020
Arsenic, dissolved	mg/L	0.00214
Barium, dissolved	mg/L	<0.0050
Beryllium, dissolved	mg/L	<0.00010
Bismuth, dissolved	mg/L	<0.00010
Boron, dissolved	mg/L	0.0102

Cadmium, dissolved	mg/L	<0.000010
Calcium, dissolved	mg/L	7.44
Chromium, dissolved	mg/L	<0.00050
Cobalt, dissolved	mg/L	<0.00010
Copper, dissolved	mg/L	0.00357
Iron, dissolved	mg/L	<0.010
Lead, dissolved	mg/L	<0.00020
Lithium, dissolved	mg/L	0.0008
Magnesium, dissolved	mg/L	4.81
Manganese, dissolved	mg/L	<0.00020
Mercury, dissolved	mg/L	<0.000010
Molybdenum, dissolved	mg/L	0.00128
Nickel, dissolved	mg/L	<0.00040
Phosphorus, dissolved	mg/L	0.082
Potassium, dissolved	mg/L	2.47
Selenium, dissolved	mg/L	0.00054
Silicon, dissolved	mg/L	18
Silver, dissolved	mg/L	<0.000050
Sodium, dissolved	mg/L	6.71
Strontium, dissolved	mg/L	0.026
Sulfur, dissolved	mg/L	<3.0
Tellurium, dissolved	mg/L	<0.00050
Thallium, dissolved	mg/L	<0.000020
Thorium, dissolved	mg/L	<0.00010

Granthams Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

Dissolved Metals-continued	**UNITS**	**GL - 02**
Vanadium, dissolved	mg/L	0.0074
Zinc, dissolved	mg/L	<0.0040
Zirconium, dissolved	mg/L	<0.00010
General Parameters		
Alkalinity, Total (as CaCO3)	mg/L	40.9
Alkalinity, Phenolphthalein (as CaCO3)	mg/L	<1.0
Alkalinity, Bicarbonate (as CaCO3)	mg/L	40.9
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0
Ammonia, Total (as N)	mg/L	<0.020
Carbon, Dissolved Organic	mg/L	<0.50
Chemical Oxygen Demand	mg/L	<20
Nitrogen, Total Kjeldahl	mg/L	<0.050
Phosphorus, Total (as P)	mg/L	0.0811
Turbidity	NTU	<0.10
pH	pH units	7.25
Conductivity (EC)	uS/cm [2]	118
Volatile Organic Compounds (VOC)		

Benzene	ug/L	<0.5
Bromodichloromethane	ug/L	<1.0
Bromoform	ug/L	7.4
Carbon tetrachloride	ug/L	<0.5
Chlorobenzene	ug/L	<1.0
Chloroethane	ug/L	<2.0
Chloroform	ug/L	<1.0
Dibromochloromethane	ug/L	<1.0
1,2-Dibromoethane	ug/L	<0.3
Dibromomethane	ug/L	<1.0
1,2-Dichlorobenzene	ug/L	<0.5
1,3-Dichlorobenzene	ug/L	<1.0
1,4-Dichlorobenzene	ug/L	<1.0
1,1-Dichloroethane	ug/L	<1.0
1,2-Dichloroethane	ug/L	<1.0
1,1-Dichloroethylene	ug/L	<1.0
cis-1,2-Dichloroethylene	ug/L	<1.0
trans-1,2-Dichloroethylene	ug/L	<1.0
Dichloromethane	ug/L	<3.0
1,2-Dichloropropane	ug/L	<1.0
1,3-Dichloropropene (cis + trans)	ug/L	<1.0
Ethylbenzene	ug/L	<1.0
Methyl tert-butyl ether	ug/L	<1.0
Styrene	ug/L	<1.0

Granthams Water Potability Test Results

Date: February 13, 2019

Sample collected in the Granthams Water System

VOC-continued	**UNITS**	**GL - 02**
1,1,2-Trichloroethane	ug/L	<1.0
Trichloroethylene	ug/L	<1.0
Trichlorofluoromethane	ug/L	<1.0
Vinyl chloride	ug/L	<1.0
Xylenes (total)	ug/L	<2.0

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 guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective /

Acronyms

AO aesthetic objective

MAC maximum acceptable concentration

NTU nephelometric turbidity units

OG operational guidance value
TCU true colour units