Chapman Creek Water Potability Test Results

Date: 2021-JAN-27

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 (CaCO3)	mg/L	7.68		
Nitrate (N)	mg/L	0.03	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	24.75		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	30.17		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	0.75	**500**	AO
Dissolved Chloride (Cl)	mg/L	12.04	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	<5	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.04		
Physical Properties				
pH	pH units	7.49	**7.0 - 10.5**	OG
Total Dissolved Solids	mg/L	22	**500**	AO
Turbidity	NTU	0.52	**5**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	41	**200**	OG
Total Antimony (Sb)	ug/L	<0.1	**6**	MAC
Total Arsenic (As)	ug/L	0.06	**10**	ALARA
Total Barium (Ba)	ug/L	1.86	**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	<0.5	**50**	MAC
Total Cobalt (Co)	ug/L	<0.1		
Total Copper (Cu)	ug/L	1.25	**1000**	AO
Total Iron (Fe)	ug/L	72.32	**300**	AO
Total Lead (Pb)	ug/L	<0.1	**10**	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	1.61	**20**	AO
Total Mercury (Hg)	ug/L	<0.005	**1**	MAC

Chapman Creek Water Potability Test Results

Date: 2021-JAN-27

Sample collected for Chapman Creek Water System

PARAMETERS-continued	UNITS	CH-26	GCDWQ[3]	
Total Molybdenum (Mo)	ug/L	0.09		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.1	**50**	MAC
Total Silver (Ag)	ug/L	<0.05		
Total Strontium (Sr)	ug/L	8.86		
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.5		
Total Uranium (U)	ug/L	<0.01	**20**	MAC
Total Vanadium (V)	ug/L	0.33		
Total Zinc (Zn)	ug/L	<1.0	**5000**	AO
Total Zirconium (Zr)	ug/L	<0.5		
Total Calcium (Ca)	mg/L	2.75		
Total Magnesium (Mg)	mg/L	0.20		
Total Potassium (K)	mg/L	<0.1		
Total Silicon (Si)	mg/L	1.95		
Total Sodium (Na)	mg/L	15.68	**200**	AO
Total Sulphur (S)	mg/L	0.29		

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 Resonably Achievable)

South Pender Water Potability Test Results

Date: 2021-JAN-27

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 (CaCO3)	mg/L	8		
Nitrate (N)	mg/L	0.02	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	28		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	34		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	1.2	**500**	AO
Dissolved Chloride (Cl)	mg/L	8.48	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	<5	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.03		
Physical Properties				
pH	pH units	7.39	**7.0-10.5**	OG
Total Dissolved Solids	mg/L	112	**500**	AO
Turbidity	NTU	0.46	**5**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	17	**200**	OG
Total Antimony (Sb)	ug/L	<0.1	**6**	MAC
Total Arsenic (As)	ug/L	0.22	**10**	ALARA
Total Barium (Ba)	ug/L	2	**2000**	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	7	**5000**	MAC
Total Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Total Chromium (Cr)	ug/L	<0.5	**50**	MAC
Total Cobalt (Co)	ug/L	<0.1		
Total Copper (Cu)	ug/L	2	**1000**	AO
Total Iron (Fe)	ug/L	10	**300**	AO
Total Lead (Pb)	ug/L	<0.1	**10**	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	<1.0	**20**	AO
Total Mercury (Hg)	ug/L	<0.005	**1**	MAC

South Pender Water Potability Test Results

Date: 2021-JAN-27

Sample collected for South Pender Water System

PARAMETERS-continued	UNITS	SP-03	GCDWQ[3]	
Total Molybdenum (Mo)	ug/L	2.19		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.1	**50**	MAC
Total Silver (Ag)	ug/L	<0.05		
Total Strontium (Sr)	ug/L	13.9		
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.01		
Total Titanium (Ti)	ug/L	<0.1		
Total Uranium (U)	ug/L	<0.01	**20**	MAC
Total Vanadium (V)	ug/L	0.3		
Total Zinc (Zn)	ug/L	1.5	**5000**	AO
Total Zirconium (Zr)	ug/L	<0.5		
Total Calcium (Ca)	mg/L	2.55		
Total Magnesium (Mg)	mg/L	0.35		
Total Potassium (K)	mg/L	0.4		
Total Silicon (Si)	mg/L	3.99		
Total Sodium (Na)	mg/L	13.4	**200**	AO
Total Sulphur (S)	mg/L	0.44		

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 Resonably Achievable)

North Pender Water Potability Test Results

Date: 2021-JAN-27

Sample collected for North Pender Water System

PARAMETERS	UNITS	NP-07	GCDWQ[3]	
Misc. Inorganics				OG/AO/ MAC/ALARA[4]
Fluoride (F)	mg/L	<1.0	**1.5**	MAC
Anions				
Nitrite (N)	mg/L	<1.0	**1**	MAC
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	18		
Nitrate (N)	mg/L	0.04	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	21.67		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	26.43		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	2.84	**500**	AO
Dissolved Chloride (Cl)	mg/L	13.56	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	<5	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.05		
Physical Properties				
pH	pH units	7.13	**7.0-10.5**	OG
Total Dissolved Solids	mg/L	94	**500**	AO
Turbidity	NTU	0.476	**5**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	17	**200**	OG
Total Antimony (Sb)	ug/L	<0.1	**6**	MAC
Total Arsenic (As)	ug/L	0.20	**10**	ALARA
Total Barium (Ba)	ug/L	2.8	**1000**	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	9	**5000**	MAC
Total Cadmium (Cd)	ug/L	<0.01	**5**	MAC
Total Chromium (Cr)	ug/L	<0.5	**50**	MAC
Total Cobalt (Co)	ug/L	<0.1		
Total Copper (Cu)	ug/L	3.3	**1000**	AO
Total Iron (Fe)	ug/L	174	**300**	AO
Total Lead (Pb)	ug/L	0.2	**10**	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	9.5	**50**	AO
Total Mercury (Hg)	ug/L	<0.005	**1**	MAC

North Pender Water Potability Test Results

Date: 2021-JAN-27

Sample collected for North Pender Water System

PARAMETERS-continued	UNITS	NP-07	GCDWQ[3]	
Total Molybdenum (Mo)	ug/L	1.54		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.1	**50**	MAC
Total Silver (Ag)	ug/L	<0.05		
Total Strontium (Sr)	ug/L	25.2		
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.01		
Total Tin (Sn)	ug/L	<0.1		
Total Titanium (Ti)	ug/L	<0.5		
Total Uranium (U)	ug/L	0.02	**20**	MAC
Total Vanadium (V)	ug/L	0.4		
Total Zinc (Zn)	ug/L	8.3	**5000**	AO
Total Zirconium (Zr)	ug/L	<0.5		
Total Calcium (Ca)	mg/L	5.71		
Total Magnesium (Mg)	mg/L	0.89		
Total Potassium (K)	mg/L	0.6		
Total Silicon (Si)	mg/L	3.15		
Total Sodium (Na)	mg/L	10.8	**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 Resonably Achievable)

Ruby Lake Water Potability Test Results

Date: 2021-JAN-27

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 (CaCO3)	mg/L	10		
Nitrate (N)	mg/L	0.05	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	9		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	<5		
Carbonate (CO3)	mg/L	11		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	1.3	**500**	AO
Dissolved Chloride (Cl)	mg/L	1.04	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	9	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.06		
Physical Properties				
pH	pH units	6.77	**7.0 - 10.5**	OG
Total Dissolved Solids	mg/L	32	**500**	AO
Turbidity	NTU	0.23	**5**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	24	**200**	OG
Total Antimony (Sb)	ug/L	<0.1	**6**	MAC
Total Arsenic (As)	ug/L	0.28	**10**	ALARA
Total Barium (Ba)	ug/L	2.39	**2000**	MAC
Total Beryllium (Be)	ug/L	<0.05		
Total Bismuth (Bi)	ug/L	<0.1		
Total Boron (B)	ug/L	3.93	**5000**	MAC
Total Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Total Chromium (Cr)	ug/L	<0.5	**50**	MAC
Total Cobalt (Co)	ug/L	<0.1		
Total Copper (Cu)	ug/L	2.64	**1000**	AO
Total Iron (Fe)	ug/L	22.46	**300**	AO
Total Lead (Pb)	ug/L	0.15	**10**	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	3.29	**20**	AO
Total Mercury (Hg)	ug/L	<0.005	**1**	MAC

Ruby Lake Water Potability Test Results

Date: 2021-JAN-27

Sample collected for Ruby Lake Water System

PARAMETERS-continued	UNITS	RL-03	GCDWQ[3]	
Total Molybdenum (Mo)	ug/L	0.53		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.1	**50**	MAC
Total Silver (Ag)	ug/L	<0.05		
Total Strontium (Sr)	ug/L	11.8		
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	<0.01		
Total Tin (Sn)	ug/L	0.2		
Total Titanium (Ti)	ug/L	<0.5		
Total Uranium (U)	ug/L	0.01	**20**	MAC
Total Vanadium (V)	ug/L	0.3		
Total Zinc (Zn)	ug/L	5.4	**5000**	AO
Total Zirconium (Zr)	ug/L	<0.5		
Total Calcium (Ca)	mg/L	3.15		
Total Magnesium (Mg)	mg/L	0.42		
Total Potassium (K)	mg/L	0.1		
Total Silicon (Si)	mg/L	2.3		
Total Sodium (Na)	mg/L	1.4	**200**	AO
Total Sulphur (S)	mg/L	0.47		

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 Resonably Achievable)

Egmont Water Potability Test Results

Date: 2021-JAN-27

Sample collected for Egmont Water System

PARAMETERS	UNITS	EG-02	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 (CaCO3)	mg/L	14		
Nitrate (N)	mg/L	0.05	**10**	MAC
Misc. Inorganics				
Alkalinity (total as $CaCO_3$)	mg/L	14		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	17		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	1.4	**500**	AO
Dissolved Chloride (Cl)	mg/L	5.65	**250**	AO
MISCELLANEOUS				
True Color	Col. Units	<5	**15**	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	<0.06		
Physical Properties				
pH	pH units	7.09	**7.0 - 10.5**	OG
Total Dissolved Solids	mg/L	50	**500**	AO
Turbidity	NTU	0.41	**5**	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	22	**200**	OG
Total Antimony (Sb)	ug/L	<0.1	**6**	MAC
Total Arsenic (As)	ug/L	0.34	**10**	ALARA
Total Barium (Ba)	ug/L	2.8	**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	<0.5	**50**	MAC
Total Cobalt (Co)	ug/L	<0.1		
Total Copper (Cu)	ug/L	2.8	**1000**	AO
Total Iron (Fe)	ug/L	94	**300**	AO
Total Lead (Pb)	ug/L	0.1	**10**	ALARA
Total Lithium (Li)	ug/L	<0.5		
Total Manganese (Mn)	ug/L	2.0	**20**	AO
Total Mercury (Hg)	ug/L	<0.005	**1**	MAC

Egmont Water Potability Test Results

Date: 2021-JAN-27

Sample collected for Egmont Water System

PARAMETERS-continued	UNITS	EG-02	GCDWQ[3]	
Total Molybdenum (Mo)	ug/L	0.55		
Total Nickel (Ni)	ug/L	<0.2		
Total Selenium (Se)	ug/L	<0.1	**50**	MAC
Total Silver (Ag)	ug/L	<0.05		
Total Strontium (Sr)	ug/L	16.0		
Total Thallium (Tl)	ug/L	<0.01		
Total Thorium (Th)	ug/L	0.03		
Total Tin (Sn)	ug/L	1		
Total Titanium (Ti)	ug/L	<0.5		
Total Uranium (U)	ug/L	0.02	**20**	MAC
Total Vanadium (V)	ug/L	0.3		
Total Zinc (Zn)	ug/L	8.6	**5000**	AO
Total Zirconium (Zr)	ug/L	<0.5		
Total Calcium (Ca)	mg/L	4.93		
Total Magnesium (Mg)	mg/L	0.39		
Total Potassium (K)	mg/L	0.2		
Total Silicon (Si)	mg/L	2.3		
Total Sodium (Na)	mg/L	5.1	**200**	AO
Total Sulphur (S)	mg/L	0.49		

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 Resonably Achievable)

Eastbourne Water Potability Test Results

Date: 2021-FEB-02

Sample collected for Eastbourne Water System

PARAMETERS	UNITS	20.3 W.E.	GCDWQ[3]	
Anions				OG/AO/ MAC/ALARA[4]
Nitrite (N)	mg/L	<0.01	**1**	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.89	**10**	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<5		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	0.7		
Alkalinity (total as $CaCO_3$)	mg/L	36		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	43		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	6.9	**500**	AO
Dissolved Chloride (Cl)	mg/L	8.62	**250**	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	0.09		
Total Ammonia (N)	mg/L	<0.025		
Nitrate + Nitrite (N)	mg/L	<0.90		
Total Phosphorus (P)	mg/L	<0.005		
Physical Properties				
pH	pH units	6.95	**7.0-10.5**	OG
Turbidity	NTU	0.19	**5**	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	19		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.005		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	19	**200**	OG
Dissolved Antimony (Sb)	ug/L	<0.2	**6**	MAC
Dissolved Arsenic (As)	ug/L	2.1	**10**	ALARA
Dissolved Barium (Ba)	ug/L	14	**2000**	MAC
Dissolved Beryllium (Be)	ug/L	<0.1		
Dissolved Bismuth (Bi)	ug/L	<0.5		
Dissolved Boron (B)	ug/L	55	**5000**	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Dissolved Chromium (Cr)	ug/L	<0.5	**50**	MAC
Dissolved Cobalt (Co)	ug/L	<0.1		

Eastbourne Water Potability Test Results

Date: 2021-FEB-02

Sample collected for Eastbourne Water System

PARAMETERS-continued	UNITS	20.3 W.E.	GCDWQ[3]	
Dissolved Copper (Cu)	µg/L	44	**1000**	AO
Dissolved Iron (Fe)	µg/L	<10	**300**	AO
Dissolved Lead (Pb)	µg/L	0.7	**10**	ALARA
Dissolved Lithium (Li)	µg/L	<1		
Dissolved Manganese (Mn)	ug/L	<5		
Dissolved Molybdenum (Mo)	ug/L	<1		
Dissolved Nickel (Ni)	ug/L	<0.5		
Dissolved Selenium (Se)	ug/L	<0.2	**50**	MAC
Dissolved Silicon (Si)	mg/L	8923		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	50		
Dissolved Thallium (Tl)	ug/L	<0.05		
Dissolved Tin (Sn)	ug/L	<1		
Dissolved Titanium (Ti)	ug/L	<0.5		
Dissolved Uranium (U)	ug/L	<0.5	**20**	MAC
Dissolved Vanadium (V)	ug/L	0.3		
Dissolved Zinc (Zn)	ug/L	13	**5000**	AO
Dissolved Zirconium (Zr)	ug/L	<1		
Dissolved Calcium (Ca)	mg/L	4.7		
Dissolved Magnesium (Mg)	mg/L	1.8		
Dissolved Potassium (K)	mg/L	0.75		
Dissolved Sodium (Na)	mg/L	15	**200**	AO
Dissolved Sulphur (S)	mg/L	2.1		

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 Resonably Achievable)

Langdale Water Potability Test Results

Date: 2021-JAN-27

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-04	GCDWQ[3]	
Anions				OG/AO/ MAC/ALARA[4]
Nitrite (N)	mg/L	<0.01	**1**	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.190	**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	39		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	48		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	11.5	**500**	AO
Dissolved Chloride (Cl)	mg/L	3.16	**250**	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	<0.20		
Physical Properties				
pH	pH units	7.42	**7.0-10.5**	OG
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	38.0		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.005		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<2	**200**	OG
Dissolved Antimony (Sb)	ug/L	<0.2	**6**	MAC
Dissolved Arsenic (As)	ug/L	3.6	**10**	ALARA
Dissolved Barium (Ba)	ug/L	2	**2000**	MAC
Dissolved Beryllium (Be)	ug/L	<0.1		
Dissolved Bismuth (Bi)	ug/L	<0.5		
Dissolved Boron (B)	ug/L	8	**5000**	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Dissolved Chromium (Cr)	ug/L	<0.5	**50**	MAC
Dissolved Cobalt (Co)	ug/L	<0.1		

Langdale Water Potability Test Results

Date: 2021-JAN-27

Sample collected in the Langdale Water System

PARAMETERS-continued	UNITS	LA-04	GCDWQ[3]	
Dissolved Copper (Cu)	µg/L	27	**1000**	AO
Dissolved Iron (Fe)	µg/L	43	**300**	AO
Dissolved Lead (Pb)	µg/L	0.1	**10**	ALARA
Dissolved Lithium (Li)	µg/L	1		
Dissolved Manganese (Mn)	ug/L	<5		
Dissolved Molybdenum (Mo)	ug/L	3.0		
Dissolved Nickel (Ni)	ug/L	<0.5		
Dissolved Selenium (Se)	ug/L	0.5	**50**	MAC
Dissolved Silicon (Si)	mg/L	16.9		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	32		
Dissolved Thallium (Tl)	ug/L	<0.05		
Dissolved Tin (Sn)	ug/L	<1		
Dissolved Titanium (Ti)	ug/L	<0.5		
Dissolved Uranium (U)	ug/L	<0.5	**20**	MAC
Dissolved Vanadium (V)	ug/L	3.8		
Dissolved Zinc (Zn)	ug/L	13	**5000**	AO
Dissolved Zirconium (Zr)	ug/L	<1		
Dissolved Calcium (Ca)	mg/L	7.7		
Dissolved Magnesium (Mg)	mg/L	4.4		
Dissolved Potassium (K)	mg/L	2.4		
Dissolved Sodium (Na)	mg/L	6.9	**200**	AO
Dissolved Sulphur (S)	mg/L	3.8		

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

Soames Water Potability Test Results

Date: 2021-JAN-27

Sample collected in Soames Water System

PARAMETERS	UNITS	SO-03	GCDWQ[3]	
Anions				OG/AO/ MAC/ALARA[4]
Nitrite (N)	mg/L	<0.01	**1**	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.64	**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	47		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	57		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	8.9	**500**	AO
Dissolved Chloride (Cl)	mg/L	5.82	**250**	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	<0.65		
Physical Properties				
pH	pH units	7.74	**7.0-10.5**	OG
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	48		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.005		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<2	**200**	OG
Dissolved Antimony (Sb)	ug/L	<0.2	**6**	MAC
Dissolved Arsenic (As)	ug/L	2.6	**10**	ALARA
Dissolved Barium (Ba)	ug/L	4	**2000**	MAC
Dissolved Beryllium (Be)	ug/L	<0.1		
Dissolved Bismuth (Bi)	ug/L	<0.5		
Dissolved Boron (B)	ug/L	6	**5000**	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Dissolved Chromium (Cr)	ug/L	<0.5	**50**	MAC
Dissolved Cobalt (Co)	ug/L	<0.1		

Soames Water Potability Test Results

Date: 2021-JAN-27

Sample collected in Soames Water System

PARAMETERS-continued	UNITS	SO-03	GCDWQ[3]	
Dissolved Copper (Cu)	µg/L	3	**1000**	AO
Dissolved Iron (Fe)	µg/L	<10	**300**	AO
Dissolved Lead (Pb)	µg/L	<0.1	**10**	ALARA
Dissolved Lithium (Li)	µg/L	<1		
Dissolved Manganese (Mn)	ug/L	<5		
Dissolved Molybdenum (Mo)	ug/L	1		
Dissolved Nickel (Ni)	ug/L	<0.5		
Dissolved Selenium (Se)	ug/L	0.5	**50**	MAC
Dissolved Silicon (Si)	mg/L	19.5		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	33.0		
Dissolved Thallium (Tl)	ug/L	<0.05		
Dissolved Tin (Sn)	ug/L	<1		
Dissolved Titanium (Ti)	ug/L	<0.5		
Dissolved Uranium (U)	ug/L	<0.5	**20**	MAC
Dissolved Vanadium (V)	ug/L	9.5		
Dissolved Zinc (Zn)	ug/L	6	**5000**	AO
Dissolved Zirconium (Zr)	ug/L	<1		
Dissolved Calcium (Ca)	mg/L	9.8		
Dissolved Magnesium (Mg)	mg/L	5.8		
Dissolved Potassium (K)	mg/L	3.0		
Dissolved Sodium (Na)	mg/L	7.0	**200**	AO
Dissolved Sulphur (S)	mg/L	3.0		

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2 - micrograms per litre (parts per billion)

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4 - OG/AO/MAC/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Resonably Achievable)

Grantham's Landing Water Potability Test Results

Date: 2021-JAN-27

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	0.440	**10**	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	<10		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	<0.5		
Alkalinity (total as CaCO3)	mg/L	42.4		
Alkalinity (PP as CaCO3)	mg/L	<5		
Bicarbonate (HCO3)	mg/L	51.7		
Carbonate (CO3)	mg/L	<6		
Hydroxide (OH)	mg/L	<5		
Anions				
Dissolved Sulphate (SO4)	mg/L	8.9	**500**	AO
Dissolved Chloride (Cl)	mg/L	4.6	**250**	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	<0.07		
Total Ammonia (N)	mg/L	<0.01		
Nitrate + Nitrite (N)	mg/L	<0.45		
Physical Properties				
pH	pH units	7.58	**7.0-10.5**	OG
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	42		
Elements				
Dissolved Mercury (Hg)	ug/L	<0.005		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<2	**200**	OG
Dissolved Antimony (Sb)	ug/L	<0.2	**6**	MAC
Dissolved Arsenic (As)	ug/L	2.07	**10**	ALARA
Dissolved Barium (Ba)	ug/L	2.99	**2000**	MAC
Dissolved Beryllium (Be)	ug/L	<0.1		
Dissolved Bismuth (Bi)	ug/L	<0.5		
Dissolved Boron (B)	ug/L	5.65	**5000**	MAC
Dissolved Cadmium (Cd)	ug/L	<0.01	**7**	MAC
Dissolved Chromium (Cr)	ug/L	<0.5	**50**	MAC
Dissolved Cobalt (Co)	ug/L	<0.1		

Grantham's Landing Water Potability Test Results

Date: 2021-JAN-27

Sample collected in the Grantham's Landing Water System

PARAMETERS-continued	UNITS	GL-02	GCDWQ[3]	
Dissolved Copper (Cu)	µg/L	3	**1000**	AO
Dissolved Iron (Fe)	µg/L	<10	**300**	AO
Dissolved Lead (Pb)	µg/L	<0.1	**10**	ALARA
Dissolved Lithium (Li)	µg/L	<1		
Dissolved Manganese (Mn)	ug/L	<5		
Dissolved Molybdenum (Mo)	ug/L	1		
Dissolved Nickel (Ni)	ug/L	<0.5		
Dissolved Selenium (Se)	ug/L	0.4	**50**	MAC
Dissolved Silicon (Si)	mg/L	18.1		
Dissolved Silver (Ag)	ug/L	<0.01		
Dissolved Strontium (Sr)	ug/L	31		
Dissolved Thallium (Tl)	ug/L	<0.05		
Dissolved Tin (Sn)	ug/L	<1		
Dissolved Titanium (Ti)	ug/L	<0.5		
Dissolved Uranium (U)	ug/L	<0.5	**20**	MAC
Dissolved Vanadium (V)	ug/L	8.0		
Dissolved Zinc (Zn)	ug/L	4	**5000**	AO
Dissolved Zirconium (Zr)	ug/L	<1		
Dissolved Calcium (Ca)	mg/L	9.2		
Dissolved Magnesium (Mg)	mg/L	4.7		
Dissolved Potassium (K)	mg/L	2.8		
Dissolved Sodium (Na)	mg/L	6.5	**200**	AO
Dissolved Sulphur (S)	mg/L	3		

ND = not detected

RDL = Reportable Detection Limit

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2 - micrograms per litre (parts per billion)

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4 - OG/AO/MAC/ALARA (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration/As Low As Resonably Achievable)