

French Creek Water Analysis - 2020 Monthly Report

			entre for e Control			R	DN In-Ho	ouse Labora	atory and S	pectroph	notometer			Bureau Veritas Lab
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (μS/cm)	Total Iron (mg/L)	Manganese (mg/L)	Manganese (mg/L)
1-Jun-20	1228 Sunrise	0	0	0	0	12	7.24	0.54	175.9	0.18	366.0	0.10	0.173	
8-Jun-20	1381 Gilley	0	0	0	0	13	7.33	0.58	180.1	0.18	360.0			
15-Jun-20	1228 Sunrise			0	0	13	6.99	0.47	179.8	0.18	374.0			
22-Jun-20	1381 Gilley			0	0	15	7.23	0.43	175.7	0.17	366.0			
CDN Drink	ing Water Guidelines	<1	<1	<1	<1							0.02 AO 0.12 MAC		

Legend:

Red font indicates non-compliance with Canadian Drinking Water Guidelines (CDWG)

* Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

AO indicates an Aesthetic Objective listed in the CDWG

MAC indicates a Maximum Acceptable Concentration listed in the CDWG

Comments:

Туре	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12		occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.



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			ntre for Control				RDN In-	House Labor	atory & Spe	ctrophoto	meter			Bureau Veritas Lab
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)	Manganese (mg/L)
4-May-20	1228 Sunrise	0	0	0	0	11	7.52	0.60	175.6	0.18	365.0	0.10	0.141	0.105
11-May-20	1381 Gilley	0	0	0	0	11	7.30	0.41	176.0	0.18	366.0			
19-May-20	1228 Sunrise			0	0	13	7.24	0.44	176.6	0.18	367.0			
25-May-20	1381 Gilley			0	0	14	7.09	0.36	175.5	0.18	365.0			
CDN Drinki	ng Water Guidelines	<1	<1	<1	<1							0.02 AO 0.12 MAC		

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I = Inorganic chemical parameter	Manganese (2019)	0.12		found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.



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			for Disease ntrol			RDI	N In-House	Laboratory	& Spectrop	hotome	ter		
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
6-Apr-20	1228 Sunrise	0	0	0	0	8	7.00	0.50	181.1	0.19	366.0	0.10	0.158
14-Apr-20	1381 Gilley	0	0	0	0	9	7.70	0.48	175.9	0.18	366.0		
20-Apr-20	1228 Sunrise			0	0	12	7.06	0.41	176.7	0.18	367.0		
28-Apr-20	1381 Gilley			0	0	10	7.22	0.37	175.1	0.17	364.0		
CDN Drink	ing Water Guidelines	<1	<1	<1 <1 <1 n/a 7.0-10.5 n/a 500 n/a n/a 0.3					0.3	0.02 AO 0.12 MAC			

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Comments:

Туре	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic	Manganese (2019)	0.12		Dissolution of naturally-		AO based on minimizing the
chemical						occurrence of discoloured water,
parameter				l .		consumer complaints and staining of
				sources include industrial	· ·	laundry.
					Other: Formula-fed infants (where	
				leaching from landfills.	water containing manganese at levels	
					above the MAC is used to prepare	
					formula) may be especially at risk.	



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			for Disease itrol			F	RDN In-Hous	se Laborato	ry & Spectr	ophotom	eter		
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
2-Mar-20	1228 Sunrise	0	0	0	0	9	7.04	0.52	178.3	0.18	370.0	0.11	0.139
9-Mar-20	1381 Gilley	0	0	0	0	8	7.04	0.35	172.9	0.17	360.0		
16-Mar-20	1228 Sunrise			0	0	9	7.03	0.51	174.9	0.17	364.0		
23-Mar-20	1381 Gilley			0	0	7	7.80	0.52	175.7	0.18	366.0		
CDN Drinki	ing Water Guidelines	<1	<1	<1 <1 n/a 7.0-10.5 n/a 500 n/a n/a 0.3 0.02 AO 0.12 MAC									

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I = Inorganic chemical parameter	Manganese (2019)	0.12		occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.



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		BC Centre	for Disease itrol			RI	DN In-Hou	ise Laborat	ory & Spec	trophoto	meter		
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Feb-20	1228 Sunrise	0	0	0	0	9	7.10	0.47	176.7	0.18	368.0	0.09	0.168
10-Feb-20	1381 Gilley	0	0	0	0	8	7.25	0.45	176.9	0.18	368.0		
18-Feb-20	1228 Sunrise			0	0	9	7.30	0.50	177.4	0.18	369.0		
24-Feb-20	1381 Gilley			0	0	8	7.12	0.47	176.1	0.18	366.0		
CDN Drinkin	g Water Guidelines	<1	<1	<1 <1 n/a 7.0-10.5 n/a 500 n/a n/a 0.3							0.02 AO 0.12 MAC		

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I = Inorganic chemical parameter	Manganese (2019)	0.12		occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.



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			for Disease ntrol			l	RDN In-Ho	use Laborat	ory & Spec	trophotom	eter		
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
6-Jan-20	1228 Sunrise	0	0	0	0	9	6.99	1.06	176.1	0.18	367.0	0.08	0.168
13-Jan-20	1381 Gilley	0	0	0	0	8	7.27	0.66	177.5	0.18	369.0		
20-Jan-20	1228 Sunrise			0	0	8	7.29	0.41	180.1	0.17	371.0		
27-Jan-20	1381 Gilley			0	0	8	7.12	0.45	176.0	0.18	366.0		
CDN Drinkin	ng Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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Туре	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic	Manganese (2019)	0.12	AO: <0.02	Dissolution of naturally-	Health Basis of MAC: Effects on	AO based on minimizing the
chemical				occurring minerals commonly	neurological development and	occurrence of discoloured water,
parameter				found in soil and rock. Other	behaviour; deficits in memory,	consumer complaints and staining of
				sources include industrial	attention, and motor skills.	laundry.
				discharge, mining activities and	Other: Formula-fed infants (where	
				leaching from landfills.	water containing manganese at levels	
					above the MAC is used to prepare	
					formula) may be especially at risk.	