

Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2019 Monthly Report

Date	Sample Location (Address)	Health Department		In-House									
		E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
1-Oct-19	1228 Sunrise	0	0	0	0	13	7.23	0.38	173.8	0.17	362.0	0.17	0.154
7-Oct-19	1381 Gilley	0	0	0	0	15	6.99	0.38	178.2	0.18	371.0		
	Average	0	0	0	0	14.0	7.1	0.38	176.0	0.18	366.5	0.17	0.154
	Maximum	0	0	0	0	15	7.23	0.38	178.2	0.18	371.0	0.17	0.154
	Minimum	0	0	0	0	13	6.99	0.38	173.8	0.17	362.0	0.17	0.154

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

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3-Sep-19	1228 Sunrise	0	0	0	0	15	7.69	0.36	174.4	0.17	363.0	0.16	0.179
9-Sep-19	1381 Gilley	0	0	0	0	17	7.89	0.42	175.5	0.17	365.0		
18-Sep-19	1228 Sunrise			0	0	17	7.78	0.46	173.9	0.17	361.0		
25-Sep-19	1381 Gilley			0	0	15	7.29	0.49	179.7	0.18	373.0		
	Average	0	0	0	0	16.0	7.7	0.43	175.9	0.17	365.5	0.16	0.179
	Maximum	0	0	0	0	17	7.89	0.49	179.7	0.18	373.0	0.16	0.179
	Minimum	0	0	0	0	15	7.29	0.36	173.9	0.17	361.0	0.16	0.179

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6-Aug-19	1228 Sunrise	0	0	0	0	13	7.61	0.55	174.1	0.17	362.0	0.08	0.141
13-Aug-19	1381 Gilley	0	0	0	0	17	7.66	0.58	175.3	0.17	365.0		
19-Aug-19	1228 Sunrise			0	0	12	7.59	0.47	173.5	0.17	361.0		
27-Aug-19	1381 Gilley			0	0	16	7.94	0.72	175.4	0.17	365.0		
	Average	0	0	0	0	14.5	7.7	0.58	174.6	0.17	363.3	0.08	0.141
	Maximum	0	0	0	0	17	7.94	0.72	175.4	0.17	365.0	0.08	0.141
	Minimum	0	0	0	0	12	7.59	0.47	173.5	0.17	361.0	0.08	0.141

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2-Jul-19	1228 Sunrise	0	0	0	0	14	7.80	0.29	173.1	0.17	360.0	0.17	0.142
9-Jul-19	1381 Gilley	0	0	0	0	18	7.99	0.31	175.6	0.17	365.0		
16-Jul-19	1228 Sunrise			0	0	15	8.05	0.46	174.1	0.17	362.0		
23-Jul-19	1381 Gilley			0	0	18	7.60	0.47	175.9	0.17	366.0		
30-Jul-19	1228 Sunrise			0	0	17	7.90	0.48	174.1	0.17	362.0		
	Average	0	0	0	0	16.4	7.9	0.40	174.6	0.17	363.0	0.17	0.142
	Maximum	0	0	0	0	18	8.05	0.48	175.9	0.17	366.0	0.17	0.142
	Minimum	0	0	0	0	14	7.6	0.29	173.1	0.17	360.0	0.17	0.142

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5-Jun-19	1228 Sunrise	0	0	0	0	12	7.90	0.47	172.2	0.17	358.0	0.10	0.168
10-Jun-19	1381 Gilley	0	0	0	0	15	8.01	0.37	172.8	0.17	360.0		
18-Jun-19	1228 Sunrise			0	0	15	7.99	0.55	170.8	0.17	355.0		
26-Jun-19	1381 Gillies					15	7.89	0.37	172.5	0.17	358.0		
	Average	0	0	0	0	14.3	7.9	0.44	172.1	0.2	357.8	0.10	0.168
	Maximum	0	0	0	0	15	8.01	0.55	172.8	0.17	360	0.10	0.168
	Minimum	0	0	0	0	12	7.89	0.37	170.8	0.17	355	0.10	0.168

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6-May-19	1228 Sunrise	0	0	0	0	12	7.31	0.45	173.8	0.17	361.0	0.13	0.177
13-May-19	1381 Gilley	0	0	0	0	12	8.13	0.61	174.9	0.17	365.0		
21-May-19	1228 Sunrise			0	0	11	8.02	0.35	169.0	0.16	369.0		
27-May-19	1381 Gilley			0	0	13	8.02	0.37	174.3	0.17	363.0		
	Average	0	0	0	0	12.0	7.9	0.45	173.0	0.17	364.5	0.13	0.177
	Maximum	0	0	0	0	13	8.13	0.61	174.9	0.17	369.0	0.13	0.177
	Minimum	0	0	0	0	11	7.31	0.35	169	0.16	361.0	0.13	0.177

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1-Apr-19	1228 Sunrise	0	0	0	0	11	7.38	0.51	174.6	0.17	363.0	0.11	0.124
8-Apr-19	1381 Gilley	0	0	0	0	9	7.80	0.39	174.2	0.17	362.0		
15-Apr-19	1381 Gilley			0	0	10	7.99	0.37	177.4	0.18	369.0		
23-Apr-19	1228 Sunrise			0	0	11	7.67	0.41	175.0	0.17	364.0		
29-Apr-19	1381 Gilley			0	0	12	7.67	0.44	173.4	0.17	361.0		
	Average	0	0	0	0	10.6	7.7	0.42	174.9	0.17	363.8	0.11	0.124
	Maximum	0	0	0	0	12	7.99	0.51	177.4	0.18	369.0	0.11	0.124
	Minimum	0	0	0	0	9	7.38	0.37	173.4	0.17	361.0	0.11	0.124

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7-Mar-19	1228 Sunrise			0	0	7	7.66	0.61	190.0	0.18	355.0	0.13	0.004
11-Mar-19	1381 Gilley	0	0	0	0		7.81	0.24	173.9	0.17	362.0		
18-Mar-19	1228 Sunrise	0	0	0	0	8	7.18	0.34	171.9	0.17	358.0		
27-Mar-19	1381 Gilley			0	0	8	7.11	0.32	174.2	0.17	362.0		
	Average	0	0	0	0	7.7	7.4	0.38	177.5	0.17	359.3	0.13	0.004
	Maximum	0	0	0	0	8	7.81	0.61	190.0	0.18	362.0	0.13	0.004
	Minimum	0	0	0	0	7	7.11	0.24	171.9	0.17	355.0	0.13	0.004

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4-Feb-19	1228 Sunrise	0	0	0	0	8	7.39	0.50	176.1	0.18	366.0		
11-Feb-19	1381 Gilley	0	0	0	0	7	7.30	0.38	173.5	0.17	362.0	0.05	0.118
19-Feb-19	1228 Sunrise			0	0		7.90	0.50	176.7	0.18	368.0		
25-Feb-19	1381 Gilley			0	0	6	7.41	0.32	175.9	0.18	366.0		
	Average	0	0	0	0	7.0	7.5	0.43	175.6	0.18	365.5	0.05	0.118
	Maximum	0	0	0	0	8	7.9	0.5	176.7	0.18	368.0	0.05	0.118
	Minimum	0	0	0	0	6	7.3	0.32	173.5	0.17	362.0	0.05	0.118

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7-Jan-19	1228 Sunrise	0	0	0	0	9	7.90	0.47	173.9	0.17	362.0	0.08	0.158
14-Jan-19	1381 Gilley	0	0	0	0	8	7.94	0.48	177.6	0.18	369.0		
21-Jan-19	1228 Sunrise			0	0	9	7.36	0.50	174.0	0.17	362.0		
28-Jan-19	1381 Gilley			0	0	8	7.40	0.42	172.0	0.17	360.0		
	Average	0	0	0	0	8.5	7.7	0.47	174.4	0.17	363.3	0.08	0.158
	Maximum	0	0	0	0	9	7.94	0.5	177.6	0.18	369.0	0.08	0.158
	Minimum	0	0	0	0	8	7.36	0.42	172	0.17	360.0	0.08	0.158

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