



Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2017 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)
4-Dec-17	1381 Gilley	0	0	0	0	10	7.84	0.72	179.2	0.18	373.0	0.05	0.115
12-Dec-17	1228 Sunrise	0	0	0	0	10	7.60	0.44	176.3	0.18	367.0		
	Average	0	0	0	0	10.0	7.7	0.58	177.8	0.18	370.0	0.05	0.115
	Maximum	0	0	0	0	10	7.84	0.72	179.2	0.18	373.0	0.05	0.115
	Minimum	0	0	0	0	10	7.6	0.44	176.3	0.18	367.0	0.05	0.115

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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8-Nov-17	1381 Gilley	0	0	0	0	12	8.04	0.15	179.6	0.18	373.0	0.03	0.058
15-Nov-17	1228 Sunrise		A*	0	0	9.5	7.65	0.37	176.4	0.18	367.0		
21-Nov-17	1381 Gilley			0	0	11	7.82	0.32	180.0	0.18	373.0		
27-Nov-17	1228 Sunrise			0	0	10	6.83	0.80	86.6	0.09	182.7		
Average		0	0	0	0	10.6	7.6	0.41	155.7	0.16	323.9	0.03	0.058
Maximum		0	0	0	0	12	8.04	0.8	180	0.18	373.0	0.03	0.058
Minimum		0	0	0	0	9.5	6.83	0.15	86.6	0.09	182.7	0.03	0.058

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A*: Sample not tested; too long in transit



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3-Oct-17	1228 Sunrise	0	0	0	0	14	7.15	0.60	177.2	0.18	369.0	0.09	0.139
11-Oct-17	1381 Gilley	0	0	0	0	15	7.90	0.40	178.5	0.18	371.0		
16-Oct-17	1228 Sunrise			0	0	12.5	7.73	0.47	176.8	0.18	367.0		
24-Oct-17	1381 Gilley			0	0	12	7.96	0.19	178.8	0.18	372.0		
	Average	0	0	0	0	13.4	7.7	0.42	177.8	0.18	369.8	0.09	0.139
	Maximum	0	0	0	0	15	7.96	0.60	178.8	0.18	372.0	0.09	0.139
	Minimum	0	0	0	0	12	7.15	0.19	176.8	0.18	367.0	0.09	0.139

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6-Sep-17	1228 Sunrise	0	0	0	0	14	7.13	0.56	177.4	0.18	369.0	0.11	0.168
11-Sep-17	1381 Gilley	0	0	0	0	16	7.55	0.38	178.2	0.18	371.0		
18-Sep-17	1228 Sunrise			0	0	11.5	7.93	0.45	175.3	0.17	365.0		
25-Sep-17	1381 Gilley			0	0	17	7.29	0.39	157.8	0.16	329.0		
	Average	0	0	0	0	14.6	7.5	0.45	172.2	0.17	358.5	0.11	0.168
	Maximum	0	0	0	0	17	7.93	0.56	178.2	0.18	371.0	0.11	0.168
	Minimum	0	0	0	0	11.5	7.13	0.38	157.8	0.16	329.0	0.11	0.168

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1-Aug-17	1381 Gilley	0	0	0	0	17	7.97	0.38	176.9	0.18	368.0	0.10	0.144
8-Aug-17	1228 Sunrise	0	0	0	0	12	7.76	0.55	178.6	0.18	371.0		
16-Aug-17	1381 Gilley			0	0	15	7.94	0.35	176.8	0.18	368.0		
22-Aug-17	1228 Sunrise			0	0	13	7.71	0.47	175.8	0.17	366.0		
30-Aug-17	1381 Gilley			0	0	18	7.75	0.31	177.7	0.18	370.0		
	Average	0	0	0	0	15.0	7.8	0.41	177.2	0.18	368.6	0.10	0.144
	Maximum	0	0	0	0	18	7.97	0.55	178.6	0.18	371.0	0.10	0.144
	Minimum	0	0	0	0	12	7.71	0.31	175.8	0.17	366.0	0.10	0.144

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4-Jul-17	1381 Gilley	0	0	0	0		7.63	0.49	174.3	0.17	363.0	0.08	0.140
11-Jul-17	1228 Sunrise	0	0	0	0	11	7.87	0.50	174.0	0.17	362.0		
17-Jul-17	1381 Gilley			0	0	16	7.66	0.41	175.2	0.17	365.0		
25-Jul-17	1228 Sunrise			0	0	13	7.65	0.54	174.1	0.17	363.0		
	Average	0	0	0	0	13.3	7.7	0.49	174.4	0.2	363.3	0.08	0.14
	Maximum	0	0	0	0	16	7.87	0.54	175.2	0.17	365.0	0.08	0.14
	Minimum	0	0	0	0	11	7.63	0.41	174	0.17	362.0	0.08	0.14

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7-Jun-17	1381 Gilley	0	0			13	7.84	0.41	174.7	0.17	363.0	0.08	0.136
12-Jun-17	1228 Sunrise	0	0			12	7.85	0.38	172.3	0.17	358.0		
19-Jun-17	1381 Gilley					13	7.85	0.30	176.2	0.17	367.0		
26-Jun-17	1228 Sunrise					11	7.64	0.59	172.3	0.17	359.0		
	Average	0	0	#DIV/0!	#DIV/0!	12.3	7.8	0.42	173.9	0.2	361.8	0.08	0.136
	Maximum	0	0	0	0	13	7.85	0.59	176.2	0.17	367	0.08	0.136
	Minimum	0	0	0	0	11	7.64	0.3	172.3	0.17	358	0.08	0.136

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1-May-17	1381 Gilley	0	0			9	7.73	0.26	170.3	0.17	355.0		
8-May-17	1228 Sunrise	0	0	0	0	13	7.92	0.50	171.8	0.17	358.0	0.07	0.158
17-May-17	1381 Gilly			0	0		8.23	0.43	170.6	0.17	356.0		
24-May-17	1228 Sunrise					12	7.79	0.44	175.3	0.17	364.0		
	Average	0	0	0	0	11.3	7.9	0.41	172.0	0.17	358.3	0.07	0.158
	Maximum	0	0	0	0	13	8.23	0.50	175.3	0.17	364.0	0.07	0.158
	Minimum	0	0	0	0	9	7.73	0.26	170.3	0.17	355.0	0.07	0.158

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3-Apr-17	1228 Sunrise	0	0			11	7.58	0.53	171.8	0.17	357.0	0.07	0.135
10-Apr-17	1381 Gilley	0	0			9	7.65	0.31	167.1	0.17	347.0		
19-Apr-17	1228 Sunrise			0	0	9	7.53	0.46	173.3	0.17	362.0		
25-Apr-17	1381 Gilley			0	0	10	7.85	0.29	169.2	0.17	353.0		
	Average	0	0	0	0	9.8	7.7	0.40	170.4	0.2	354.8	0.07	0.135
	Maximum	0	0	0	0	11	7.85	0.53	173.3	0.17	362	0.07	0.135
	Minimum	0	0	0	0	9	7.53	0.29	167.1	0.17	347	0.07	0.135

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7-Mar-17	1228 Sunrise	0	0	0	0	10	7.25	0.42	169.1	0.17	352.0	0.10	0.168
15-Mar-17	1381 Gilley	0	0	0	0	6.5	7.38	0.43	170.6	0.17	355.0		
21-Mar-17	1228 Sunrise			0	0		7.56	0.38	168.0	0.17	348.0		
28-Mar-17	1381 Gilley			0	0	8	7.92	0.38	170.7	0.17	356.0		
	Average	0	0	0	0	8.2	7.5	0.40	169.6	0.17	352.8	0.10	0.168
	Maximum	0	0	0	0	10	7.92	0.43	170.7	0.17	356.0	0.10	0.168
	Minimum	0	0	0	0	6.5	7.25	0.38	168.0	0.17	348.0	0.10	0.168

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8-Feb-17	1228 Sunrise	0	0	0	0	5	7.34	0.76	171.4	0.17	357.0	0.08	0.200
14-Feb-17	1381 Gilley	0	0	0	0	6.5	7.93	0.57	169.1	0.17	352.0		
21-Feb-17	1228 Sunrise			0	0	6	6.89	0.57	165.9	0.17	346.0		
27-Feb-17	1381 Gilley			0	0	8	7.47	0.43	170.9	0.17	357.0		
	Average	0	0	0	0	6.4	7.4	0.58	169.3	0.17	353.0	0.08	0.200
	Maximum	0	0	0	0	8	7.93	0.76	171.4	0.17	357.0	0.08	0.200
	Minimum	0	0	0	0	5	6.89	0.43	165.9	0.17	346.0	0.08	0.200

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3-Jan-17	1228 Sunrise	0	0	0	0	8	7.34	0.55	174.3	0.17	361.0	0.06	0.233
17-Jan-17	1381 Gilley	0	0	0	0	5	7.51	0.49	172.4	0.17	357.0		
24-Jan-17	1228 Sunrise			0	0	8	7.44	0.47	172.7	0.17	360.0		
31-Jan-17	1381 Gilley			0	0	8	7.56	0.14	173.6	0.17	362.0		
	Average	0	0	0	0	7.3	7.5	0.41	173.3	0.17	360.0	0.06	0.233
	Maximum	0	0	0	0	8	7.56	0.55	174.3	0.17	362.0	0.06	0.233
	Minimum	0	0	0	0	5	7.34	0.14	172.4	0.17	357.0	0.06	0.233

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