



Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2013 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)
3-Dec-13	1381 Gilley	0	0	0	0	10	7.04	0.23	170.7	0.17	355.0	0.07	0.112
10-Dec-13	1228 Sunrise	0	0	0	0	8.5	7.01	0.34	168.4	0.17	351.0		
16-Dec-13	1381 Gilley			0	0	8	7.29	0.17	168.2	0.17	350.0		
30-Dec-13	1381 Gilley			0	0	9	6.81	0.30	171.2	0.17	356.0		
	Average	0	0	0	0	8.9	7.0	0.26	169.6	0.2	353.0	0.07	0.112
	Maximum	0	0	0	0	10	7.29	0.34	171.2	0.17	356	0.07	0.112
	Minimum	0	0	0	0	8	6.81	0.17	168.2	0.17	350	0.07	0.112

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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6-Nov-13	1381 Gilley	0	0	0	0	13	6.95	0.16	172.6	0.17	359.0		
12-Nov-13	1228 Sunrise	0	0	0	0	10	7.10	0.42	168.3	0.17	349.0	0.10	0.150
20-Nov-13	1381 Gilley			0	0	10	6.94	0.06	170.2	0.17	354.0		
25-Nov-13	1228 Sunrise			0	0	9	7.17	0.09	168.4	0.17	351.0		
	Average	0	0	0	0	10.5	7.0	0.18	169.9	0.2	353.3	0.10	0.15
	Maximum	0	0	0	0	13	7.17	0.42	172.6	0.17	359	0.1	0.15
	Minimum	0	0	0	0	9	6.94	0.06	168.3	0.17	349	0.1	0.15

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2-Oct-13	1381 Gilley	0	0	0	0	15	7.08	0.05	169.7	0.17	353.0	0.08	0.091
9-Oct-13	1228 Sunrise	0	0	0	0	12	7.16	0.34	172.8	0.17	360.0		
15-Oct-13	1381 Gilley			0	0	13	6.93	0.08	176.2	0.17	367.0		
22-Oct-13	1228 Sunrise			0	0	12	7.04	1.10	168.0	0.17	350.0		
28-Oct-13	1381 Gilley			0	0	13	7.36	0.33	172.9	0.17	360.0		
	Average	0	0	0	0	13.0	7.1	0.38	171.9	0.2	358.0	0.08	0.091
	Maximum	0	0	0	0	15	7.36	1.1	176.2	0.17	367	0.08	0.091
	Minimum	0	0	0	0	12	6.93	0.05	168	0.17	350	0.08	0.091

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4-Sep-13	1381 Gilley	0	0	0	0	16	7.10	0.10	166.7	0.17	347.0	0.09	0.134
9-Sep-13	1228 Sunrise	0	0	0	0	15	7.09	0.58	167.6	0.17	349.0		
16-Sep-13	1381 Gilley			0	0	16	7.52	0.12	169.4	0.17	352.0		
24-Sep-13	1228 Sunrise			0	0	14	7.16	0.36	171.3	0.17	356.0		
	Average	0	0	0	0	15.3	7.2	0.29	168.8	0.2	351.0	0.09	0.134
	Maximum	0	0	0	0	16	7.52	0.58	171.3	0.17	356	0.09	0.134
	Minimum	0	0	0	0	14	7.09	0.1	166.7	0.17	347	0.09	0.134

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6-Aug-13	1381 Gilley	0	0	0	0	16	7.02	0.22	158.7	0.16	331.0	0.10	0.156
12-Aug-13	1228 Sunrise	0	0	0	0	12	7.13	0.22	160.9	0.16	303.0		
20-Aug-13	1381 Gilley Cres			0	0	16	7.13	0.18	164.1	0.16	343.0		
27-Aug-13	1228 Sunrise			0	0	12	6.92	0.17	165.3	0.16	345.0		
	Average	0	0	0	0	14.0	7.1	0.20	162.3	0.2	330.5	0.10	0.156
	Maximum	0	0	0	0	16	7.13	0.22	165.3	0.16	345	0.1	0.156
	Minimum	0	0	0	0	12	6.92	0.17	158.7	0.16	303	0.1	0.156

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2-Jul-13	1381 Gilley	0	0	0	0	17	7.09	0.31	158.8	0.16	331.0	0.08	0.090
8-Jul-13	1228 Sunrise	0	0	0	0	12	7.02	0.16	157.4	0.16	326.0		
17-Jul-13	1381 Gilley			0	0	16	7.01	0.13	160.1	0.16	334.0		
22-Jul-13	1228 Sunrise			0	0	12	7.07	0.36	158.2	0.16	330.0		
	Average	0	0	0	0	14.3	7.0	0.24	158.6	0.2	330.3	0.08	0.09
	Maximum	0	0	0	0	17	7.09	0.36	160.1	0.16	334	0.08	0.09
	Minimum	0	0	0	0	12	7.01	0.13	157.4	0.16	326	0.08	0.09

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3-Jun-13	1381 Gilley	0	0	0	0	14	6.99	0.08	146.7	0.15	307.0	0.10	0.120
10-Jun-13	1228 Sunrise	0	0	0	0	14	7.54	0.35	154.9	0.15	323.0		
19-Jun-13	1381 Gilley			0	0	14	7.75	0.07	157.1	0.16	326.0		
25-Jun-13	1228 Sunrise			0	0	14	7.11	0.25	158.9	0.16	330.0		
	Average	0	0	0	0	14.0	7.3	0.19	154.4	0.2	321.5	0.10	0.12
	Maximum	0	0	0	0	14	7.75	0.35	158.9	0.16	330	0.1	0.12
	Minimum	0	0	0	0	14	6.99	0.07	146.7	0.15	307	0.1	0.12

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8-May-13	1381 Gilley	0	0			11	7.14	0.07	153.6	0.15	320.0	0.09	0.086
14-May-13	1228 Sunrise	0	0			12	7.15	0.44	154.3	0.15	322.0		
21-May-13	1381 Gilley					13	7.17	0.20	156.0	0.16	325.0		
28-May-13	1228 Sunrise			0	0	13	7.45	0.35	155.2	0.15	323.0		
	Average	0	0	0	0	12.3	7.2	0.27	154.8	0.2	322.5	0.09	0.086
	Maximum	0	0	0	0	13	7.45	0.44	156	0.16	325	0.09	0.086
	Minimum	0	0	0	0	11	7.14	0.07	153.6	0.15	320	0.09	0.086

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3-Apr-13	1381 Gilley	0	0	0	0	9	7.26	0.15	158.9	0.16	331.0	0.07	0.093
9-Apr-13	1228 Sunrise	0	0	0	0	10	7.71	0.36	156.0	0.16	325.0		
17-Apr-13	1381 Gilley			0	0	11	7.14	0.19	158.3	0.16	330.0		
22-Apr-13	1228 Sunrise			0	0	11	7.00	0.61	153.5	0.15	320.0		
	Average	0	0	0	0	10.3	7.3	0.33	156.7	0.2	326.5	0.07	0.093
	Maximum	0	0	0	0	11	7.71	0.61	158.9	0.16	331	0.07	0.093
	Minimum	0	0	0	0	9	7	0.15	153.5	0.15	320	0.07	0.093

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6-Mar-13	1381 Gilley	0	0	0	0	7	6.84	0.17	151.6	0.15	316.0	0.12	0.066
13-Mar-13	1228 Sunrise	0	0	0	0	10	7.10	0.33	153.6	0.15	320.0		
18-Mar-13	1381 Gilley			0	0	8	7.49	0.19	153.8	0.15	321.0		
25-Mar-13	1228 Sunrise			0	0	8	7.19	0.09	155.1	0.15	324.0		
	Average	0	0	0	0	8.3	7.2	0.20	153.5	0.2	320.3	0.12	0.066
	Maximum	0	0	0	0	10	7.49	0.33	155.1	0.15	324	0.12	0.066
	Minimum	0	0	0	0	7	6.84	0.09	151.6	0.15	316	0.12	0.066

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6-Feb-13	1381 Gilley	0	0	0	0	8	7.06	0.06	153.9	0.15	320.0	0.04	0.035
12-Feb-13	1228 Sunrise	0	0	0	0	9	7.01	0.29	153.6	0.15	322.0		
20-Feb-13	1381 Gilley			0	0	7	7.03	0.17	152.4	0.15	317.0		
25-Feb-13	1228 Sunrise			0	0	9	7.02	0.81	154.7	0.15	323.0		
	Average	0	0	0	0	8.3	7.0	0.33	153.7	0.2	320.5	0.04	0.035
	Maximum	0	0	0	0	9	7.06	0.81	154.7	0.15	323	0.04	0.035
	Minimum	0	0	0	0	7	7.01	0.06	152.4	0.15	317	0.04	0.035

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8-Jan-13	1228 Sunrise	0	0	0	0	10		0.49				0.11	0.197
16-Jan-13	1381 Gilley	0	0	0	0	7	7.09	0.18	148.1	0.15	309.0		
21-Jan-13	1381 Gilley			0	0	9	6.94	0.85	138.1	0.14	289.0		
28-Jan-13	1228 Sunrise			0	0	9	6.94	0.39	151.1	0.15	312.0		
	Average	0	0	0	0	8.8	7.0	0.48	145.8	0.1	303.3	0.11	0.197
	Maximum	0	0	0	0	10	7.09	0.85	151.1	0.15	312	0.11	0.197
	Minimum	0	0	0	0	7	6.94	0.18	138.1	0.14	289	0.11	0.197

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