



Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2015 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-Dec-15	1228 Sunrise	0	0	0	0	9	7.41	0.42	169.2	0.17	353.0	0.08	0.132
8-Dec-15	1381 Gilley	0	0	0	0	10	7.29	0.31	146.4	0.15	306.0		
15-Dec-15	1228 Sunrise			0	0	9	7.37	0.46	170.0	0.17	354.0		
	Average	0	0	0	0	9.3	7.4	0.40	161.9	0.2	337.7	0.08	0.132
	Maximum	0	0	0	0	10	7.41	0.46	170	0.17	354	0.08	0.132
	Minimum	0	0	0	0	9	7.29	0.31	146.4	0.15	306	0.08	0.132

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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2-Nov-15	1228 Sunrise	0	0	0	0	11	7.45	0.58	167.6	0.17	347.0		
9-Nov-15	1381 Gilley	0	0	0	0	14	7.56	0.35	173.2	0.17	361.0		
17-Nov-15	1228 Sunrise			0	0	10	7.35	0.62	170.3	0.17	354.0	0.07	0.155
24-Nov-15	1381 Gilley			0	0	11	7.53	0.34	163.1	0.16	340.0		
	Average	0	0	0	0	11.5	7.5	0.47	168.6	0.2	350.5	0.07	0.155
	Maximum	0	0	0	0	14	7.56	0.62	173.2	0.17	361	0.07	0.155
	Minimum	0	0	0	0	10	7.35	0.34	163.1	0.16	340	0.07	0.155

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6-Oct-15	1228 Sunrise	0	0	0	0	13	7.48	0.93	173.8	0.17	362.0		
14-Oct-15	1381 Gilley			0	0	13	7.49	0.86	175.3	0.18	365.0		
19-Oct-15	1228 Sunrise			0	0	12	7.36	0.57	170.6	0.17	354.0		
27-Oct-15	1381 Gilley	0	0	0	0	13	7.86	0.49	174.4	0.17	362.0		
	Average	0	0	0	0	12.8	7.5	0.71	173.5	0.2	360.8	-	-
	Maximum	0	0	0	0	13	7.86	0.93	175.3	0.18	365	0	0
	Minimum	0	0	0	0	12	7.36	0.49	170.6	0.17	354	0	0

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1-Sep-15	1381 Gilley	0	0	0	0	18	7.59	0.35	176.5	0.18	367.0	0.08	0.125
8-Sep-15	1228 Sunrise	0	0	0	0	16	7.47	0.45	175.9	0.17	365.0		
15-Sep-15	1381 Gilley			0	0	19	7.72	0.38	176.9	0.18	368.0		
21-Sep-15	1228 Sunrise			0	0	13	7.47	0.53	172.1	0.17	357.0		
	Average	0	0	0	0	16.5	7.6	0.43	175.4	0.2	364.3	0.08	0.125
	Maximum	0	0	0	0	19	7.72	0.53	176.9	0.18	368	0.08	0.125
	Minimum	0	0	0	0	13	7.47	0.35	172.1	0.17	357	0.08	0.125

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4-Aug-15	1381 Gilley	0	0	0	0	19	7.45	0.29	175.7	0.17	365.0	0.07	0.128
11-Aug-15	1228 Sunrise	0	0	0	0	15	7.84	0.48	174.9	0.17	365.0		
18-Aug-15	1381 Gilley			0	0	18	7.42	0.44	175.7	0.17	365.0		
25-Aug-15	1228 Sunrise			0	0	14	7.75	0.62	174.2	0.17	362.0		
	Average	0	0	0	0	16.5	7.6	0.46	175.1	0.2	364.3	0.07	0.128
	Maximum	0	0	0	0	19	7.84	0.62	175.7	0.17	365	0.07	0.128
	Minimum	0	0	0	0	14	7.42	0.29	174.2	0.17	362	0.07	0.128

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7-Jul-15	1381 Gilley	0	0	0	0	18	7.22	0.41	172.7	0.17	360.0	0.07	0.123
14-Jul-15	1228 Sunrise	0	0	0	0	15	7.01	0.34	170.8	0.17	356.0		
21-Jul-15	1381 Gilley			0	0	18	7.29	0.15	174.2	0.17	363.0		
27-Jul-15	1228 Sunrise			0	0	14	7.30	1.39	174.9	0.17	363.0		
	Average	0	0	0	0	16.3	7.2	0.57	173.2	0.2	360.5	0.07	0.123
	Maximum	0	0	0	0	18	7.3	1.39	174.9	0.17	363	0.07	0.123
	Minimum	0	0	0	0	14	7.01	0.15	170.8	0.17	356	0.07	0.123

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2-Jun-15	1381 Gilley	0	0	0	0	16	7.01	0.24	169.0	0.17	352.0	0.08	
9-Jun-15	1228 Sunrise	0	0	0	0	14	7.19	0.45	165.0	0.16	344.0		
16-Jun-15	1381 Gilley			0	0	16	7.15	0.28	169.3	0.17	353.0	0.08	0.132
23-Jun-15	1228 Sunrise			0	18	13	7.06	0.40	168.6	0.17	351.0		
24-Jun-15	1228 Sunrise			0	0			0.32					
24-Jun-15	1381 Gilley			0	0			0.29					
25-Jun-15	1228 Sunrise			0	0								
25-Jun-15	1381 Gilley			0	0								
Average		0	0	0	2.25	14.8	7.1	0.33	168.0	0.2	350.0	0.08	0.132
Maximum		0	0	0	18	16	7.19	0.45	169.3	0.17	353	0.08	0.132
Minimum		0	0	0	0	13	7.01	0.24	165	0.16	344	0.08	0.132

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5-May-15	1381 Gilley	0	0	0	0	11	6.79	0.45	169.3	0.17	353.0	0.07	0.090
11-May-15	1381 Gilley			0	0	13	6.83	0.31	168.9	0.17	352.0		
19-May-15	1228 Sunrise	0	0	0	0	12	7.20	0.54	167.8	0.17	349.0		
26-May-15	1381 Gilley			0	0	14	6.95	0.48	168.9	0.17	351.0		
	Average	0	0	0	0	12.5	6.9	0.45	168.7	0.2	351.3	0.07	0.090
	Maximum	0	0	0	0	14	7.2	0.54	169.3	0.17	353	0.07	0.090
	Minimum	0	0	0	0	11	6.79	0.31	167.8	0.17	349	0.07	0.090

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7-Apr-15	1381 Gilley	0	0	0	0	13	6.86	0.60	92.3	0.09	194.5	0.15	0.017
14-Apr-15	1228 Sunrise	0	0	0	0	11	6.56	0.22	166.5	0.17	347.0		
21-Apr-15	1381 Gilley			0	0	10	6.67	0.20	173.9	0.17	362.0		
28-Apr-15	1228 Sunrise			0	0	12	6.68	0.36	168.5	0.17	350.0		
	Average	0	0	0	0	11.5	6.7	0.35	150.3	0.2	313.4	0.15	0.017
	Maximum	0	0	0	0	13	6.86	0.6	173.9	0.17	362	0.15	0.017
	Minimum	0	0	0	0	10	6.56	0.2	92.3	0.09	194.5	0.15	0.017

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4-Mar-15	1228 Sunrise	0	0	0	0	10	6.82	0.32	165.5	0.16	345.0	0.10	0.171
9-Mar-15	1381 Gilley	0	0	0	0	9	6.78	0.30	170.6	0.17	355.0		
16-Mar-15	1228 Sunrise			0	0	11	6.99	0.60	166.1	0.17	346.0		
24-Mar-14	1228 Sunrise			0	0	12	6.96	0.40	169.9	0.17	355.0		
	Average	0	0	0	0	10.5	6.9	0.41	168.0	0.2	350.3	0.10	0.171
	Maximum	0	0	0	0	12	6.99	0.6	170.6	0.17	355	0.1	0.171
	Minimum	0	0	0	0	9	6.78	0.3	165.5	0.16	345	0.1	0.171

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3-Feb-15	1228 Sunrise	0	0	0	0	9	6.77	0.23	166.2	0.17	350.0	0.07	0.135
10-Feb-15	1381 Gilley	0	0	0	0	9	6.71	0.06	170.7	0.17	356.0		
16-Feb-15	1228 Sunrise			0	0	10	6.59	0.36	168.6	0.17	351.0		
24-Feb-15	1381 Gilley			0	0	9	6.82	0.11	105.9	0.11	222.0		
	Average	0	0	0	0	9.3	6.7	0.19	152.9	0.2	319.8	0.07	0.135
	Maximum	0	0	0	0	10	6.82	0.36	170.7	0.17	356	0.07	0.135
	Minimum	0	0	0	0	9	6.59	0.06	105.9	0.11	222	0.07	0.135

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7-Jan-15	1228 Sunrise	0	0	0	0	9	6.74	0.48	166.4	0.17	347.0	0.09	0.150
12-Jan-15	1381 Gilley	0	0	0	0	8	6.45	0.14	165.9	0.17	346.0		
19-Jan-15	1228 Sunrise			0	0	9	6.87	0.40	167.4	0.17	349.0		
27-Jan-15	1381 Gilley			0	0	8	6.99	0.17	165.6	0.16	345.0		
	Average	0	0	0	0	8.5	6.8	0.30	166.3	0.2	346.8	0.09	0.15
	Maximum	0	0	0	0	9	6.99	0.48	167.4	0.17	349	0.09	0.15
	Minimum	0	0	0	0	8	6.45	0.14	165.6	0.16	345	0.09	0.15

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