



# Regional District of Nanaimo - Water Services Department

## French Creek Water Analysis - 2014 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-14	1381 Gilley	0	0	0	0	11	6.96	0.24	166.1	0.15	346.0	0.05	0.136
9-Dec-14	1228 Sunrise	0	0	0	0	10	6.66	0.52	167.2	0.17	348.0		
15-Dec-14	1381 Gilley			0	0	10	6.67	0.33	166.7	0.17	347.0		
	<b>Average</b>	0	0	0	0	10.3	6.8	0.36	166.7	0.2	347.0	0.05	0.136
	<b>Maximum</b>	0	0	0	0	11	6.96	0.52	167.2	0.17	348	0.05	0.136
	<b>Minimum</b>	0	0	0	0	10	6.66	0.24	166.1	0.15	346	0.05	0.136

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-Nov-14	1228 Sunrise	T	T	0	0	11	6.74	0.42	174.1	0.17	362.0	0.10	0.130
18-Nov-14	1381 Gilley	0	0	0	0	12	6.66	0.37	168.2	0.17	349.0		
24-Nov-14	1228 Sunrise			0	0	10	6.71	0.39	167.9	0.17	350.0		
	<b>Average</b>	0	0	0	0	11.0	6.7	0.39	170.1	0.2	353.7	0.10	0.13
	<b>Maximum</b>	0	0	0	0	12	6.74	0.42	174.1	0.17	362	0.1	0.13
	<b>Minimum</b>	0	0	0	0	10	6.66	0.37	167.9	0.17	349	0.1	0.13

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T=Sample not tested. Too long in transit.

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7-Oct-14	1381 Gilley	0	0	0	0	16	6.97	0.29	172.7	0.17	360.0	0.06	0.098
14-Oct-14	1228 Sunrise	0	0	0	0	14	7.10	0.48	170.5	0.17	355.0		
20-Oct-14	1228 Sunrise			0	0	12	6.96	0.30	169.6	0.17	353.0		
27-Oct-14	1381 Gilley			0	0	14	6.90	0.43	172.2	0.17	358.0		
	<b>Average</b>	0	0	0	0	14.0	7.0	0.38	171.3	0.2	356.5	0.06	0.098
	<b>Maximum</b>	0	0	0	0	16	7.1	0.48	172.7	0.17	360	0.06	0.098
	<b>Minimum</b>	0	0	0	0	12	6.9	0.29	169.6	0.17	353	0.06	0.098

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3-Sep-14	1228 Sunrise	0	0	0	0	14	6.86	0.21	169.7	0.17	353.0	0.09	0.142
9-Sep-14	1381 Gilley	0	0	0	0	17	7.22	0.17	171.2	0.17	356.0		
16-Sep-14	1228 Sunrise			0	0	14	6.78	0.58	167.4	0.17	349.0		
23-Sep-14	1381 Gilley			0	0	16	7.02	0.31	170.7	0.17	355.0		
29-Sep-14	1228 Sunrise			0	0	15	7.05	0.45	170.3	0.17	354.0		
	<b>Average</b>	0	0	0	0	15.2	7.0	0.34	169.9	0.2	353.4	0.09	0.142
	<b>Maximum</b>	0	0	0	0	17	7.22	0.58	171.2	0.17	356	0.09	0.142
	<b>Minimum</b>	0	0	0	0	14	6.78	0.17	167.4	0.17	349	0.09	0.142

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5-Aug-14	1228 Sunrise	0	0	0	0	14	6.97	0.47	170.3	0.17	354.0	0.08	0.153
11-Aug-14	1381 Gilley	0	0	0	0	16	6.99	0.33	170.7	0.17	355.0		
19-Aug-14	1228 Sunrise			0	0	14	7.01	0.45	170.1	0.17	354.0		
25-Aug-14	1381 Gilley			0	0	14	6.95	0.29	167.0	0.16	348.0		
	<b>Average</b>	0	0	0	0	14.5	7.0	0.39	169.5	0.2	352.8	0.08	0.153
	<b>Maximum</b>	0	0	0	0	16	7.01	0.47	170.7	0.17	355	0.08	0.153
	<b>Minimum</b>	0	0	0	0	14	6.95	0.29	167	0.16	348	0.08	0.153

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2-Jul-14	1381 Gilley	0	0	0	0	17	6.66	0.28	171.4	0.17	357.0	0.15	0.116
7-Jul-14	1228 Sunrise	0	0	0	0	14	6.55	0.10	179.4	0.18	372.0		
15-Jul-14	1381 Gilley			0	0	15	6.68	0.47	168.8	0.17	351.0		
22-Jul-14	1228 Sunrise			0	0	12	6.87	0.53	168.0	0.17	350.0		
29-Jul-14	1381 Gilley			0	0	16	6.91	0.11	167.5	0.16	349.0		
	<b>Average</b>	0	0	0	0	14.8	6.7	0.30	171.0	0.2	355.8	0.15	0.116
	<b>Maximum</b>	0	0	0	0	17	6.91	0.53	179.4	0.18	372	0.15	0.116
	<b>Minimum</b>	0	0	0	0	12	6.55	0.1	167.5	0.16	349	0.15	0.116

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4-Jun-14	1381 Gilley	0	0	0	0	14	6.85	0.27	170.1	0.17	355.0	0.08	0.130
9-Jun-14	1228 Sunrise	0	0	0	0	13	6.97	0.35	168.1	0.17	350.0		
16-Jun-14	1381 Gilley			0	0	13	6.90	0.46	170.8	0.17	355.0		
24-Jun-14	1228 Sunrise			0	0	13	6.56	0.32	168.5	0.17	351.0		
	<b>Average</b>	0	0	0	0	13.3	6.8	0.35	169.4	0.2	352.8	0.08	0.13
	<b>Maximum</b>	0	0	0	0	14	6.97	0.46	170.8	0.17	355	0.08	0.13
	<b>Minimum</b>	0	0	0	0	13	6.56	0.27	168.1	0.17	350	0.08	0.13

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6-May-14	1381 Gilley	0	0	0	0	11	6.55	0.08	169.7	0.17	353.0	0.07	0.068
13-May-14	1228 Sunrise	0	0	0	0	13	6.72	0.40	169.4	0.17	353.0		
21-May-14	1381 Gilley			0	0	13	7.26	0.36	170.4	0.17	354.0		
26-May-14	1228 Sunrise			0	0	12	6.95	0.30	168.5	0.17	351.0		
	<b>Average</b>	0	0	0	0	12.3	6.9	0.29	169.5	0.2	352.8	0.07	0.068
	<b>Maximum</b>	0	0	0	0	13	7.26	0.4	170.4	0.17	354	0.07	0.068
	<b>Minimum</b>	0	0	0	0	11	6.55	0.08	168.5	0.17	351	0.07	0.068

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1-Apr-14	1381 Gilley	0	0	0	0	9	6.79	0.22	171.3	0.17	357.0	0.07	0.069
9-Apr-14	1228 Sunrise	0	0			11		0.38					
14-Apr-14	1381 Gilley			0	0	10	6.82	0.16	170.0	0.17	354.0		
29-Apr-14	1228 Sunrise			0	0	9	6.67	0.24	169.5	0.17	353.0		
	<b>Average</b>	0	0	0	0	9.8	6.8	0.25	170.3	0.2	354.7	0.07	0.069
	<b>Maximum</b>	0	0	0	0	11	6.82	0.38	171.3	0.17	357	0.07	0.069
	<b>Minimum</b>	0	0	0	0	9	6.67	0.16	169.5	0.17	353	0.07	0.069

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4-Mar-14	1381 Gilley	0	0	0	0	6	6.76	0.29	165.6	0.16	346.0	0.15	0.192
10-Mar-14	1228 Sunrise	0	0	0	0	8	6.74	0.32	169.0	0.17	352.0		
18-Mar-14	1381 Gilley			0	0	7	7.42	0.15	168.3	0.17	350.0		
24-Mar-14	1228 Sunrise			0	0	10	6.89	0.35	169.6	0.17	353.0		
	<b>Average</b>	0	0	0	0	7.8	7.0	0.28	168.1	0.2	350.3	0.15	0.192
	<b>Maximum</b>	0	0	0	0	10	7.42	0.35	169.6	0.17	353	0.15	0.192
	<b>Minimum</b>	0	0	0	0	6	6.74	0.15	165.6	0.16	346	0.15	0.192

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3-Feb-14	1381 Gilley	0	0	0	0	8	6.86	0.15	170.9	0.17	356.0	0.03	0.045
11-Feb-14	1228 Sunrise	0	0	0	0	8	6.58	0.30	168.4	0.17	351.0		
18-Feb-14	1381 Gilley			0	0	8	6.68	0.15	170.0	0.17	354.0		
	<b>Average</b>	0	0	0	0	8.0	6.7	0.20	169.8	0.2	353.7	0.03	0.045
	<b>Maximum</b>	0	0	0	0	8	6.86	0.3	170.9	0.17	356	0.03	0.045
	<b>Minimum</b>	0	0	0	0	8	6.58	0.15	168.4	0.17	351	0.03	0.045

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6-Jan-13	1228 Sunrise	0	0	0	0	9	6.97	0.50	170.3	0.17	355.0	0.08	0.136
13-Jan-14	1381 Gilley	0	0	0	0	9	6.92	0.19	169.4	0.17	353.0		
20-Jan-14	1228 Sunrise			0	0	10	7.18	0.58	170.0	0.17	354.0		
29-Jan-14	1381 Gilley			0	0	8	7.04	0.18	173.5	0.17	361.0		
	<b>Average</b>	0	0	0	0	9.0	7.0	0.36	170.8	0.2	355.8	0.08	0.136
	<b>Maximum</b>	0	0	0	0	10	7.18	0.58	173.5	0.17	361	0.08	0.136
	<b>Minimum</b>	0	0	0	0	8	6.92	0.18	169.4	0.17	353	0.08	0.136

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