



# Regional District of Nanaimo - Water Services Department

## French Creek Water Analysis - 2016 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)
7-Dec-16	1228 Sunrise	0	0	0	0	10	7.63	0.36	174.3	0.17	363.0	0.07	0.163
14-Dec-16	1381 Gilley	0	0	0	0	8	7.67	0.36	173.7	0.17	360.0		
	<b>Average</b>	0	0	0	0	9.0	7.7	0.36	174.0	0.2	361.5	0.07	0.163
	<b>Maximum</b>	0	0	0	0	10	7.67	0.36	174.3	0.17	363	0.07	0.163
	<b>Minimum</b>	0	0	0	0	8	7.63	0.36	173.7	0.17	360	0.07	0.163

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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1-Nov-16	1381 Gilley	0	0	0	0	14	7.60	0.39	175.9	0.17	367.0	0.07	0.122
7-Nov-16	1228 Sunrise	0	0	0	0	12	7.27	0.48	172.1	0.17	357.0		
14-Nov-16	1381 Gilley			0	0	13	7.55	0.45	176.6	0.18	367.0		
22-Nov-16	1228 Sunrise			0	0	9	7.38	0.53	173.9	0.17	362.0		
29-Nov-16	1381 Gilley			0	0	10	7.51	0.58	175.9	0.18	364.0		
	<b>Average</b>	0	0	0	0	11.6	7.5	0.49	174.9	0.2	363.4	0.07	0.122
	<b>Maximum</b>	0	0	0	0	14	7.6	0.58	176.6	0.18	367	0.07	0.122
	<b>Minimum</b>	0	0	0	0	9	7.27	0.39	172.1	0.17	357	0.07	0.122

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4-Oct-16	1381 Gilley	0	0	0	0	13	7.69	0.38	176.7	0.18	368.0	0.06	0.124
12-Oct-16	1228 Sunrise	0	0	0	0	9	7.61	0.70	170.8	0.17	355.0		
18-Oct-16	1381 Gilley			0	0	12	7.60	0.23	176.3	0.18	367.0		
24-Oct-16	1228 Sunrise			0	0	10	7.44	0.53	174.3	0.17	361.0		
	<b>Average</b>	0	0	0	0	11.0	7.6	0.46	174.5	0.2	362.8	0.06	0.124
	<b>Maximum</b>	0	0	0	0	13	7.69	0.7	176.7	0.18	368	0.06	0.124
	<b>Minimum</b>	0	0	0	0	9	7.44	0.23	170.8	0.17	355	0.06	0.124

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6-Sep-16	1381 Gilley	0	0	0	0	16.5	7.48	0.42	176.6	0.18	364.0	0.08	0.130
13-Sep-16	1228 Sunrise	0	0	0	0	14	7.49	0.35	171.3	0.17	358.0		
20-Sep-16	1381 Gilley			0	0	16.5	7.65	0.39	175.5	0.17	365.0		
27-Sep-16	1228 Sunrise			0	0	11	7.54	0.44	174.6	0.17	363.0		
	<b>Average</b>	0	0	0	0	14.5	7.5	0.40	174.5	0.2	362.5	0.08	0.130
	<b>Maximum</b>	0	0	0	0	16.5	7.65	0.44	176.6	0.18	365	0.08	0.130
	<b>Minimum</b>	0	0	0	0	11	7.48	0.35	171.3	0.17	358	0.08	0.130

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2-Aug-16	1228 Sunrise	0	0	0	0	14	7.31	0.58	174.5	0.17	363.0	0.10	0.161
9-Aug-16	1381 Gilley	0	0	0	0	18	7.31	0.59	174.6	0.17	364.0		
16-Aug-16	1228 Sunrise			0	0	13	7.34	0.49	171.8	0.17	359.0		
23-Aug-16	1381 Gilley			0	0	18	7.35	0.47	173.3	0.17	360.0		
29-Aug-16	1228 Sunrise			0	0	13	7.42	0.54	173.5	0.17	361.0		
	<b>Average</b>	0	0	0	0	15.2	7.3	0.53	173.5	0.2	361.4	0.10	0.161
	<b>Maximum</b>	0	0	0	0	18	7.42	0.59	174.6	0.17	364	0.1	0.161
	<b>Minimum</b>	0	0	0	0	13	7.31	0.47	171.8	0.17	359	0.1	0.161

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5-Jul-16	1228 Sunrise	0	0	0	0	12	7.42	0.62	123.0	0.12	257.0	0.10	0.129
12-Jul-16	1381 Gilley	0	0	0	0	16	7.51	0.49	175.4	0.17	365.0		
18-Jul-16	1228 Sunrise			0	0		7.37	0.61	174.1	0.17	363.0		
26-Jul-16	1381 Gilley			0	0	16	7.35	0.51	174.4	0.17	363.0		
	<b>Average</b>	0	0	0	0	14.7	7.4	0.56	161.7	0.2	337.0	0.10	0.129
	<b>Maximum</b>	0	0	0	0	16	7.51	0.62	175.4	0.17	365	0.1	0.129
	<b>Minimum</b>	0	0	0	0	12	7.35	0.49	123	0.12	257	0.1	0.129

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7-Jun-16	1228 Sunrise	0	0	0	0	13	7.65	0.72	171.6	0.17	354.0	0.08	0.157
14-Jun-16	1381 Gilley	0	0	0	0	15	7.00	0.29	173.9	0.17	362.0		
21-Jun-16	1228 Sunrise			0	0	12	7.36	0.74	172.2	0.17	359.0		
27-Jun-16	1381 Gilley			0	0	17	7.47	0.63	175.5	0.17	367.0		
	<b>Average</b>	0	0	0	0	14.3	7.4	0.60	173.3	0.2	360.5	0.08	0.157
	<b>Maximum</b>	0	0	0	0	17	7.65	0.74	175.5	0.17	367	0.08	0.157
	<b>Minimum</b>	0	0	0	0	12	7	0.29	171.6	0.17	354	0.08	0.157

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4-May-16	1381 Gilley	0	0	0	0	13	7.79	0.37	174.1	0.17	362.0		
10-May-16	1228 Sunrise	0	0	0	0	12	7.87	0.69	172.7	0.17	360.0	0.10	0.162
17-May-16	1381 Gilley			0	0	13	7.49	0.42	174.3	0.17	364.0		
25-May-16	1228 Sunrise			0	0	14	7.05	0.54	171.3	0.17	357.0		
31-May-16	1331 Gilley			0	0	15	7.40	0.40	171.3	0.17	356.0		
	<b>Average</b>	0	0	0	0	13.4	7.5	0.48	172.7	0.2	359.8	0.10	0.162
	<b>Maximum</b>	0	0	0	0	15	7.87	0.69	174.3	0.17	364	0.10	0.162
	<b>Minimum</b>	0	0	0	0	12	7.05	0.37	171.3	0.17	356	0.10	0.162

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4-Apr-16	1228 Sunrise	0	0	0	0	11	7.47	0.51	170.3	0.17	354.0	0.06	0.183
12-Apr-16	1381 Gilley	0	0	0	0	10	7.74	0.28	173.2	0.17	361.0		
19-Apr-16	1228 Sunrise			0	0	12	7.89	0.36	172.8	0.17	360.0		
25-Apr-16	1381 Gilley			0	0		7.71	0.41	176.6	0.18	361.0		
	<b>Average</b>	0	0	0	0	11.0	7.7	0.39	173.2	0.2	359.0	0.06	0.183
	<b>Maximum</b>	0	0	0	0	12	7.89	0.51	176.6	0.18	361	0.06	0.183
	<b>Minimum</b>	0	0	0	0	10	7.47	0.28	170.3	0.17	354	0.06	0.183

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1-Mar-16	1381 Gilley	0	0	0	0	8	7.42	0.28	171.4	0.17	357.0	0.08	0.151
8-Mar-16	1228 Sunrise	0	0	0	0	10	7.77	0.55	172.2	0.17	359.0		
15-Mar-16	1381 Gilley			0	0	9	7.81	0.39	172.8	0.17	358.0		
22-Mar-16	1228 Sunrise			0	0	11	7.54	0.46	172.0	0.17	358.0		
29-Mar-16	1381 Gilley			0	0	9	7.69	0.30	173.1	0.17	360.0		
	<b>Average</b>	0	0	0	0	9.4	7.6	0.40	172.3	0.2	358.4	0.08	0.151
	<b>Maximum</b>	0	0	0	0	11	7.81	0.55	173.1	0.17	360	0.08	0.151
	<b>Minimum</b>	0	0	0	0	8	7.42	0.28	171.4	0.17	357	0.08	0.151

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2-Feb-16	1381 Gilley	0	0	0	0	8	7.59	0.57	174.7	0.17	363.0	0.06	0.099
9-Feb-16	1228 Sunrise	0	0	0	0	10	7.49	0.57	170.9	0.17	356.0		
16-Feb-16	1381 Gilley			0	0	8	7.46	0.32	170.1	0.17	355.0		
23-Feb-16	1228 Sunrise			0	0	10	7.33	0.66	170.9	0.17	355.0		
	<b>Average</b>	0	0	0	0	9.0	7.5	0.53	171.7	0.2	357.3	0.06	0.099
	<b>Maximum</b>	0	0	0	0	10	7.59	0.66	174.7	0.17	363	0.06	0.099
	<b>Minimum</b>	0	0	0	0	8	7.33	0.32	170.1	0.17	355	0.06	0.099

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4-Jan-16	1381 Gilley	0	0	0	0	10	7.60	0.42	168.6	0.17	351.0	0.04	0.123
12-Jan-16	1228 Sunrise	0	0	0	0	9	7.27	0.75	171.3	0.17	356.0		
20-Jan-16	1381 Gilley			0	0	8	7.45	0.46	173.9	0.17	362.0		
26-Jan-16	1228 Sunrise			0	0	10	7.32	0.65	172.7	0.17	362.0		
	<b>Average</b>	0	0	0	0	9.3	7.4	0.57	171.6	0.2	357.8	0.04	0.123
	<b>Maximum</b>	0	0	0	0	10	7.6	0.75	173.9	0.17	362	0.04	0.123
	<b>Minimum</b>	0	0	0	0	8	7.27	0.42	168.6	0.17	351	0.04	0.123

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