



# Regional District of Nanaimo - Water Services Department

## French Creek Water Analysis - 2018 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-18	1228 Sunrise	0	0	0	0	11	7.84	0.46	175.6	0.10	366.0	0.09	0.135
10-Dec-18	1381 Gilley	0	0	0	0	10	7.80	0.50	177.1	0.18	368.0		
17-Dec-18	1228 Sunrise			0	0	9	7.88	0.50	175.8	0.18	366.0		
	<b>Average</b>	0	0	0	0	10.0	7.8	0.49	176.2	0.15	366.7	0.09	0.135
	<b>Maximum</b>	0	0	0	0	11	7.88	0.50	177.1	0.18	368.0	0.09	0.135
	<b>Minimum</b>	0	0	0	0	9	7.8	0.46	175.6	0.10	366.0	0.09	0.135

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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7-Nov-18	1228 Sunrise	0	0	0	0	11	7.79	0.37	174.6	0.17	363.0	0.08	0.138
14-Nov-18	1381 Gilley	0	0	0	0	12	8.22	0.43	179.5	0.18	373.0		
20-Nov-18	1228 Sunrise			0	0	10	7.70	0.66	176.6	0.18	368.0		
27-Nov-18	1381 Gilley			0	0	11	8.49	0.29	176.7	0.18	368.0		
	<b>Average</b>	0	0	0	0	11.0	8.1	0.44	176.9	0.18	368.0	0.08	0.138
	<b>Maximum</b>	0	0	0	0	12	8.49	0.66	179.5	0.18	373.0	0.08	0.138
	<b>Minimum</b>	0	0	0	0	10	7.7	0.29	174.6	0.17	363.0	0.08	0.138

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1-Oct-18	1381 Gilley	0	0	0	0	15	8.23	0.21	180.6	0.18	376.0	0.10	0.107
9-Oct-18	1228 Sunrise	0	0	0	0	13	7.89	0.32	177.1	0.18	368.0		
15-Oct-18	1381 Gilley			0	0	14	8.26	0.43	181.7	0.18	378.0		
22-Oct-18	1228 Sunrise			0	0	12	7.92	0.33	179.0	0.18	373.0		
30-Oct-18	1381 Gilley			0	0	13	8.55	0.30	181.8	0.18	378.0		
	<b>Average</b>	0	0	0	0	13.4	8.2	0.32	180.0	0.18	374.6	0.10	0.107
	<b>Maximum</b>	0	0	0	0	15	8.55	0.43	181.8	0.18	378.0	0.10	0.107
	<b>Minimum</b>	0	0	0	0	12	7.89	0.21	177.1	0.18	368.0	0.10	0.107

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5-Sep-18	1381 Gilley	0	0	0	0	19	7.96	0.29	179.1	0.18	372.0	0.10	0.145
10-Sep-18	1228 Sunrise	0	0	0	0	13	7.92	0.42	177.1	0.18	368.0		
17-Sep-18	1381 Gilley			0	0	13	8.32	0.45	180.3	0.18	375.0		
24-Sep-18	1228 Sunrise			0	0	14	8.12	0.57	177.8	0.18	372.0		
	<b>Average</b>	0	0	0	0	14.8	8.1	0.43	178.6	0.18	371.8	0.10	0.145
	<b>Maximum</b>	0	0	0	0	19	8.32	0.57	180.3	0.18	375.0	0.10	0.145
	<b>Minimum</b>	0	0	0	0	13	7.92	0.29	177.1	0.18	368.0	0.10	0.145

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7-Aug-18	1381 Gilley	0	0	0	0	17	7.61	0.52	176.5	0.18	368.0	0.10	0.147
13-Aug-18	1228 sunrise	0	0	0	0	13.5	7.90	0.60	174.2	0.17	363.0		
20-Aug-18	1381 Gilley			0	0	13	7.46	0.12	173.2	0.17	361.0		
29-Aug-18	1228 sunrise			0	0	13	7.78	0.48	175.9	0.17	366.0		
	<b>Average</b>	0	0	0	0	14.1	7.7	0.43	175.0	0.17	364.5	0.10	0.147
	<b>Maximum</b>	0	0	0	0	17	7.9	0.60	176.5	0.18	368.0	0.10	0.147
	<b>Minimum</b>	0	0	0	0	13	7.46	0.12	173.2	0.17	361.0	0.10	0.147

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3-Jul-18	1228 Sunrise	0	0	0	0	13	7.65	0.34	175.6	0.17	365.0	0.11	0.155
9-Jul-18	1381 Gilley	0	0	0	0	14	7.70	0.58	176.1	0.17	366.0		
16-Jul-18	1228 Sunrise			0	0	13	7.83	0.68	176.3	0.18	367.0		
24-Jul-18	1381 Gilley			0	0	17	7.65	0.24	176.4	0.17	367.0		
30-Jul-18	1228 Sunrise			0	0	13	7.95	0.50	174.2	0.17	363.0		
	<b>Average</b>	0	0	0	0	14.0	7.8	0.47	175.7	0.17	365.6	0.11	0.155
	<b>Maximum</b>	0	0	0	0	17	7.95	0.68	176.4	0.18	367.0	0.11	0.155
	<b>Minimum</b>	0	0	0	0	13	7.65	0.24	174.2	0.17	363.0	0.11	0.155

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5-Jun-18	1228 Sunrise	0	0	0	0	12	7.75	0.55	173.6	0.17	362.0		
11-Jun-18	1381 Gilley	0	0	0	0	12	8.15	0.39	176.2	0.18	367.0	0.08	0.092
18-Jun-18	1228 Sunrise			0	0	17	7.32	0.62	175.4	0.17	365.0		
25-Jun-18	1381 Gilley			0	0	15	7.80	0.34	175.5	0.17	365.0		
	<b>Average</b>	0	0	0	0	14.0	7.8	0.48	175.2	0.2	364.8	0.08	0.092
	<b>Maximum</b>	0	0	0	0	17	8.15	0.62	176.2	0.18	367	0.08	0.092
	<b>Minimum</b>	0	0	0	0	12	7.32	0.34	173.6	0.17	362	0.08	0.092

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1-May-18	1381 Gilley	0	0	0	0	11	8.19	0.23	173.3	0.17	361.0		
7-May-18	1228 Sunrise	0	0	0	0	13	7.90	0.23	168.8	0.17	351.0	0.10	0.135
14-May-18	1381 Gilley			0	0	13	8.10	0.43	175.3	0.17	364.0		
22-May-18	1228 Sunrise			0	0	12	7.81	0.44	174.3	0.17	362.0		
29-May-18	1381 Gilley			0	0	14	7.84	0.66	175.4	0.17	365.0		
	<b>Average</b>	0	0	0	0	12.6	8.0	0.40	173.4	0.17	360.6	0.10	0.135
	<b>Maximum</b>	0	0	0	0	14	8.19	0.66	175.4	0.17	365.0	0.10	0.135
	<b>Minimum</b>	0	0	0	0	11	7.81	0.23	168.8	0.17	351.0	0.10	0.135

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4-Apr-18	1228 Sunrise	0	0	0	0	9	7.27	0.54	171.9	0.17	358.0	0.07	0.128
9-Apr-18	1381 Gilley	0	0	0	0	9	7.49	0.26	175.7	0.18	365.0		
16-Apr-18	1228 Sunrise			0	0	11	7.38	0.59	172.9	0.17	360.0		
24-Apr-18	1381 Gilley			0	0	10	8.11	0.56	173.3	0.17	361.0		
	<b>Average</b>	0	0	0	0	9.8	7.6	0.49	173.5	0.17	361.0	0.07	0.128
	<b>Maximum</b>	0	0	0	0	11	8.11	0.59	175.7	0.18	365.0	0.07	0.128
	<b>Minimum</b>	0	0	0	0	9	7.27	0.26	171.9	0.17	358.0	0.07	0.128

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5-Mar-18	1228 Sunrise	0	0	0	0	10	7.41	0.56	173.2	0.17	361.0	0.12	0.219
12-Mar-18	1381 Gilley	0	0	0	0	8	7.49	0.26	172.0	0.17	354.0		
20-Mar-18	1228 Sunrise			0	0	11	7.29	0.44	173.2	0.17	359.0		
27-Mar-18	1381 Gilley			0	0	7	7.84	0.13	173.0	0.17	360.0		
	<b>Average</b>	0	0	0	0	9.0	7.5	0.35	172.9	0.17	358.5	0.12	0.219
	<b>Maximum</b>	0	0	0	0	11	7.84	0.56	173.2	0.17	361.0	0.12	0.219
	<b>Minimum</b>	0	0	0	0	7	7.29	0.13	172.0	0.17	354.0	0.12	0.219

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5-Feb-18	1228 Sunrise	0	0	0	0	9	7.15	0.57	174.3	0.17	363.0	0.09	0.139
14-Feb-18	1381 Gilley	0	0	0	0			0.41	174.4	0.17	363.0		
20-Feb-18	1228 Sunrise			0	0	9	7.78	0.61	173.4	0.17	359.0		
26-Feb-18	1381 Gilley			0	0	7	7.68	0.32	175.0	0.17	364.0		
	<b>Average</b>	0	0	0	0	8.3	7.5	0.48	174.3	0.17	362.3	0.09	0.139
	<b>Maximum</b>	0	0	0	0	9	7.78	0.61	175.0	0.17	364.0	0.09	0.139
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2-Jan-18	1381 Gilley	0	0	0	0		7.77	0.21	175.3	0.17	365.0	0.07	0.108
8-Jan-18	1228 Sunrise	0	0	0	0	8	7.56	0.63	173.8	0.17	362.0		
15-Jan-18	1381 Gilley			0	0	9	8.10	0.49	176.9	0.18	367.0		
24-Jan-18	1228 Sunrise			0	0	10	7.44	0.68	179.3	0.18	374.0		
29-Jan-18	1381 Gilley			0	0	8	7.50	0.51	172.9	0.17	358.0		
	<b>Average</b>	0	0	0	0	8.8	7.7	0.50	175.6	0.17	365.2	0.07	0.108
	<b>Maximum</b>	0	0	0	0	10	8.10	0.68	179.3	0.18	374.0	0.07	0.108
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