



# Regional District of Nanaimo - Water Services Department

## French Creek Water Analysis - 2012 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)
5-Jan-12	1334 Lanyon			0	0	8	7.05	0.30	145.2	0.14	303.0	0.08	0.128
11-Jan-12	1228 Sunrise	0	0	0	0		7.04	0.45	144.7	0.14	304.0		
16-Jan-12	1381 Gilley			0	0	7	7.13	0.21	145.2	0.14	301.0		
24-Jan-12	1334 Lanyon	0	0	0	0	6	7.48	0.36	144.9	0.14	303.0		
30-Jan-12	1228 Sunrise			0	0	8	7.11	0.27	147.2	0.15	261.0		
	<b>Average</b>	0	0	0	0	7.3	7.16	0.32	145.4	0.14	294.4	0.08	0.128
	<b>Maximum</b>	0	0	0	0	8	7.48	0.45	147.2	0.15	304.0	0.08	0.128
	<b>Minimum</b>	0	0	0	0	6	7.04	0.21	144.7	0.14	261.0	0.08	0.128

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-Feb-12	1334 Lanyon	0	0	0	0	7	7.98	0.33	146.1	0.15	305.0	0.08	0.126
14-Feb-12	1228 Sunrise	0	0	0	0	9	7.04	0.31	153.4	0.15	321.0		
21-Feb-12	1381 Gilley			0	0	7	7.24	0.26	152.6	0.15	318.0		
27-Feb-12	1228 Sunrise			0	0	9	7.16	0.26	150.9	0.15	315.0		
	<b>Average</b>	0	0	0	0	8.0	7.4	0.29	150.8	0.15	314.8	0.08	0.126
	<b>Maximum</b>	0	0	0	0	9	7.98	0.33	153.4	0.15	321.0	0.08	0.126
	<b>Minimum</b>	0	0	0	0	7	7.04	0.26	146.1	0.15	305.0	0.08	0.126

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7-Mar-12	1334 Lanyon	0	0	0	0	7	7.07	0.19	147.0	0.15	307.0	0.11	0.123
12-Mar-12	1228 Sunrise	0	0	0	0	9	7.10	0.39	151.2	0.15	315.0		
20-Mar-12	1381 Gilley			0	0	8	7.07	0.13	152.2	0.15	326.0		
26-Mar-12	1228 Sunrise			0	0	10	7.51	0.29	151.1	0.15	317.0		
	<b>Average</b>	0	0	0	0	8.5	7.2	0.25	150.4	0.15	316.3	0.11	0.123
	<b>Maximum</b>	0	0	0	0	10	7.51	0.39	152.2	0.15	326	0.11	0.123
	<b>Minimum</b>	0	0	0	0	7	7.07	0.13	147	0.15	307	0.11	0.123

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2-Apr-12	1334 Lanyon	0	0	0	0	8	6.78	0.23	148.5	0.15	268.0	0.10	0.146
10-Apr-12	1228 Sunrise	0	0	0	0	11	7.00	0.32	149.8	0.15	313.0		
16-Apr-12	1381 Gilley			0	0	9	6.82	0.13	144.4	0.14	234.0		
24-Apr-12	1228 Sunrise			0	0	10	6.98	0.14	149.3	0.15	252.0		
	<b>Average</b>	0	0	0	0	9.5	6.9	0.21	148.0	0.15	266.8	0.10	0.146
	<b>Maximum</b>	0	0	0	0	11	7	0.32	149.8	0.15	313	0.1	0.146
	<b>Minimum</b>	0	0	0	0	8	6.78	0.13	144.4	0.14	234	0.1	0.146

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1-May-12	1334 Lanyon	0	0	0	0	11	6.67	0.24	144.7	0.14	258.0	0.10	0.115
8-May-12	1228 Sunrise Dr	0	0	0	0	12	6.88	0.61	147.9	0.15	250.0		
16-May-12	1381 Gilley			0	0	12	7.02	0.17	151.2	0.15	316.0		
22-May-12	1334 Lanyon			0	0	13	7.44	0.11	147.1	0.15	307.0		
	<b>Average</b>	0	0	0	0	12.0	7.0	0.28	147.7	0.15	282.8	0.10	0.115
	<b>Maximum</b>	0	0	0	0	13	7.44	0.61	151.2	0.15	316	0.1	0.115
	<b>Minimum</b>	0	0	0	0	11	6.67	0.11	144.7	0.14	250	0.1	0.115

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4-Jun-12	1228 Sunrise	0	0	0	0	13	7.05	0.13	147.1	0.15	306.0	0.10	0.142
12-Jun-12	1334 Lanyon	0	0	0	0	14	7.08	0.08	141.7	0.14	296.0		
19-Jun-12	1381 Gilley			0	0	14	7.09	0.17	150.2	0.15	313.0		
26-Jun-12	1228 Sunrise			0	0		6.95	0.31	165.0	0.16	301.0		
	<b>Average</b>	0	0	0	0	13.7	7.0	0.17	151.0	0.15	304.0	0.10	0.142
	<b>Maximum</b>	0	0	0	0	14	7.09	0.31	165	0.16	313	0.1	0.142
	<b>Minimum</b>	0	0	0	0	13	6.95	0.08	141.7	0.14	296	0.1	0.142

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9-Jul-12	1334 Lanyon	0	0	0	0	16	8.03	0.08	154.3	0.15	291.0	0.09	0.139
17-Jul-12	1228 Sunrise	0	0	0	0		7.29	0.38	154.9	0.15	323.0		
24-Jul-12	1381 Gilley			0	0	16	7.05	0.12	153.1	0.15	319.0		
30-Jul-12	1228 Sunrise			0	0	12	7.15	0.08	149.9	0.15	313.0		
	<b>Average</b>	0	0	0	0	14.7	7.4	0.17	153.1	0.15	311.5	0.09	0.139
	<b>Maximum</b>	0	0	0	0	16	8.03	0.38	154.9	0.15	323	0.09	0.139
	<b>Minimum</b>	0	0	0	0	12	7.05	0.08	149.9	0.15	291	0.09	0.139

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7-Aug-12	1334 Lanyon	0	0	0	0	19	7.41	0.11	152.9	0.15	319.0	0.09	0.113
14-Aug-12	1228 Sunrise	0	0	0	0	15	6.98	0.63	150.3	0.15	314.0		
21-Aug-12	1381 Gilley			0	0	17	7.00	0.22	153.7	0.15	321.0		
29-Aug-12	1228 Sunrise			0	0	13	7.32	0.48	151.9	0.15	317.0		
	<b>Average</b>	0	0	0	0	16.0	7.2	0.36	152.2	0.2	317.8	0.09	0.113
	<b>Maximum</b>	0	0	0	0	19	7.41	0.63	153.7	0.15	321	0.09	0.113
	<b>Minimum</b>	0	0	0	0	13	6.98	0.11	150.3	0.15	314	0.09	0.113

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5-Sep-12	1228 Sunrise	0	0	0	0	13	7.35	0.21	152.2	0.15	318	0.13	0.100
12-Sep-12	1334 Lanyon	0	0	0	0	17	7.07	0.09	153.9	0.15	321		
18-Sep-12	1228 Sunrise	0	0	0	0	13	6.88	0.3	150.7	0.15	314		
24-Sep-12	1381 Gilley			0	0	15	7.8	0.43	154.3	0.15	322		
	<b>Average</b>	0	0	0	0	14.5	7.3	0.26	152.8	0.2	318.8	0.13	0.1
	<b>Maximum</b>	0	0	0	0	17	7.8	0.43	154.3	0.15	322	0.13	0.1
	<b>Minimum</b>	0	0	0	0	13	6.88	0.09	150.7	0.15	314	0.13	0.1

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3-Oct-12	1334 Lanyon	0	0	0	0	15	6.68	0.21	156.4	0.16	326	0.08	0.120
15-Oct-12	1228 Sunrise	0	0	0	0	12	7.01	0.13	152.7	0.15	319		
24-Oct-12	1381 Gilley			0	0	13	6.94	0.19	154.7	0.15	322		
	<b>Average</b>	0	0	0	0	13.3	6.9	0.18	154.6	0.2	322.3	0.08	0.12
	<b>Maximum</b>	0	0	0	0	15	7.01	0.21	156.4	0.16	326	0.08	0.12
	<b>Minimum</b>	0	0	0	0	12	6.68	0.13	152.7	0.15	319	0.08	0.12

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13-Nov-12	1334 Lanyon	0	0	0	0		6.83	0.51	150.3	0.15	314	0.08	0.107
20-Nov-12	1228 Sunrise	0	0	0	0	11	6.98	0.52	154	0.15	322		
27-Nov-12	1228 Sunrise	0	0	0	0	9	7.05	0.27	152.3	0.15	318		
	<b>Average</b>	0	0	0	0	10.0	7.0	0.43	152.2	0.2	318.0	0.08	0.107
	<b>Maximum</b>	0	0	0	0	11	7.05	0.52	154	0.15	322	0.08	0.107
	<b>Minimum</b>	0	0	0	0	9	6.83	0.27	150.3	0.15	314	0.08	0.107

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4-Dec-12	1334 Lanyon	0	0	0	0	10	6.95	0.38	150.8	0.15	315	0.08	0.107
11-Dec-12	1228 Sunrise	0	0	0	0	10	6.78	0.37	151.3	0.15	316		
17-Dec-12	1381 Gilley			0	0	8	7.12	0.14	150.3	0.15	313		
	<b>Average</b>	0	0	0	0	9.3	7.0	0.30	150.8	0.2	314.7	0.08	0.107
	<b>Maximum</b>	0	0	0	0	10	7.12	0.38	151.3	0.15	316	0.08	0.107
	<b>Minimum</b>	0	0	0	0	8	6.78	0.14	150.3	0.15	313	0.08	0.107

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