



Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2010 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		Fecal Coliform *	Total Coliform *	Fecal Coliform *	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-10	1228 Sunrise Dr	0	0	0	0	10	8.1	1.02	145	0.1	306	0.17	0.244
12-Jan-10	1334 Lanyon	0	0	0	0	9	7.3	0.13	143	0.1	302		
20-Jan-10	1228 Sunrise Dr			0	0	10		0.37	141	0.1	298		
26-Jan-10	1334 Lanyon			0	0	8	6.8	0.59	145	0.1	305		
	Average	0	0	0	0	9.3	7.4	0.53	143.5	0.1	302.8	0.17	0.244
	Maximum	0	0	0	0	10	8.1	1.02	145	0.1	306	0.17	0.244
	Minimum	0	0	0	0	8	6.8	0.13	141	0.1	298	0.17	0.244

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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9-Feb-10	1228 Sunrise Dr	0	0	0	0	10	6.9	0.15	134	0.1	282	0.08	0.222
17-Feb-10	1334 Lanyon Dr	0	0	0	0	8	6.8	0.08	135	0.1	285		
23-Feb-10	1228 Sunrise Dr			0	0	9	7.3	0.45	144	0.1	303		
	Average	0	0	0	0	9.0	7.0	0.23	137.7	0.1	290.0	0.08	0.222
	Maximum	0	0	0	0	10	7.3	0.45	144	0.1	303	0.08	0.222
	Minimum	0	0	0	0	8	6.8	0.08	134	0.1	282	0.08	0.222

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3-Mar-10	1334 Lanyon			0	0	10	7.3	0.46	144	0.1	303	0.11	0.224
9-Mar-10	1228 Sunrise			0	0	10	6.9	0.68	147	0.1	310		
17-Mar-10	1334 Lanyon	0	0	0	0	10	7	0.81	147	0.1	307		
24-Mar-10	1228 Sunrise	0	0	0	0	10	7.2	0.52	144	0.1	303		
29-Mar-10	1334 Lanyon			0	0	9	6.8	0.13	136	0.1	289		
	Average	0	0	0	0	9.8	7.0	0.52	143.6	0.1	302.4	0.11	0.224
	Maximum	0	0	0	0	10	7.3	0.81	147	0.1	310	0.11	0.224
	Minimum	0	0	0	0	9	6.8	0.13	136	0.1	289	0.11	0.224

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7-Apr-10	1228 Sunrise Dr	0	0	0	0		6.8	0.74	144	0.1	304	0.08	0.173
13-Apr-10	1334 Lanyon Dr	0	0	0	0	9	6.8	0.09	142	0.1	299		
20-Apr-10	1228 Sunrise Dr			0	0	12	7.3	0.24	141	0.1	297		
27-Apr-10	1334 Lanyon Dr			0	0	12	7.3	0.42	143	0.01	302		
	Average	0	0	0	0	11.0	7.1	0.37	142.5	0.1	300.5	0.08	0.173
	Maximum	0	0	0	0	12	7.3	0.74	144	0.1	304	0.08	0.173
	Minimum	0	0	0	0	9	6.8	0.09	141	0.01	297	0.08	0.173

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Aesthetic Objective for Iron is • 0.3 mg/L

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3-May-10	1228 Sunrise Dr	0	0	0	0	12	6.9	0.32	150	0.1	317	0.08	0.154
12-May-10	1334 Lanyon	0	0	0	0	12	6.9	0.15	150	0.1	316		
17-May-10	1228 Sunrise Dr			0	0	13	7	0.87	154	0.2	324		
25-May-10	1334 Lanyon			0	0	n/a	7	1.11	158	0.2	332		
	Average	0	0	0	0	12.3	7.0	0.61	153.0	0.2	322.3	0.08	0.154
	Maximum	0	0	0	0	13	7	1.11	158	0.2	332	0.08	0.154
	Minimum	0	0	0	0	12	6.9	0.15	150	0.1	316	0.08	0.154

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9-Jun-10	1228 Sunrise Dr	0	0	0	0		7.9	0.94	152	0.2	321	0.08	0.378
15-Jun-10	1334 Lanyon Dr	0	0	0	0		7.6	0.1	151	0.1	317		
21-Jun-10	1381 Gilley			0	0		7.8	1.28	154	0.2	325		
29-Jun-10	1228 Sunrise Dr			0	0		6.9	1.26	154	0.2	309		
	Average	0	0	0	0	#DIV/0!	7.6	0.90	152.8	0.2	318.0	0.08	0.378
	Maximum	0	0	0	0	0	7.9	1.28	154	0.2	325	0.08	0.378
	Minimum	0	0	0	0	0	6.9	0.1	151	0.1	309	0.08	0.378

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6-Jul-10	1334 Lanyon	0	0	0	0		7.6	0.86	153	0.2	321	0.08	0.131
13-Jul-10	1381 Gilley			0	0		7.4	0.54	151	0.1	318		
21-Jul-10	1228 Sunrise	0	0	0	0		7.7	0.66	146	0.1	306		
27-Jul-10	1381 Gilley			0	0		7.6	0.24	148	0.1	309		
	Average	0	0	0	0	#DIV/0!	7.6	0.58	149.5	0.1	313.5	0.08	0.131
	Maximum	0	0	0	0	0	7.7	0.86	153	0.2	321	0.08	0.131
	Minimum	0	0	0	0	0	7.4	0.24	146	0.1	306	0.08	0.131

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Aesthetic Objective for Iron is • 0.3 mg/L

Aesthetic Objective for Manganese is • 0.05mg/L

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4-Aug-10	1334 Layon	T	T	0	0		7.9	0.16	146	0.1	308	0.06	0.101
11-Aug-10	1381 Gilley			0	BG	17	7.7	0.15	151	0.2	319		
12-Aug-10	1381 Gilley			0	0								
16-Aug-10	1228 Sunrise	T	T	0	0		7.7	0.06	144	0.1	301		
23-Aug-10	1334 Layon			0	0	17	7.6	0.12	145	0.1	305		
31-Aug-10	1228 Sunrise			0	0	13	8	0.3	147	0.1	309		
	Average	#DIV/0!	#DIV/0!	0	0	15.7	7.8	0.16	146.6	0.1	308.4	0.06	0.101
	Maximum	0	0	0	0	17	8	0.3	151	0.2	319	0.06	0.101
	Minimum	0	0	0	0	13	7.6	0.06	144	0.1	301	0.06	0.101

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T-Transport time was too long to laboratory.

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BG-Background levels of bacteria.

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8-Sep-10	1334 Lanyon	0	0	0	0	16	7.6	0.13	151	0.1	316	0.05	0.106
15-Sep-10	1228 Sunrise	0	0	0	0	13	7.1	0.35	151	0.1	317		
20-Sep-10	1334 Lanyon			0	0	17	7.7	0.16	148	0.1	311		
28-Sep-10	1381 Gilley			0	0		7.7	0.28	152	0.2	318		
	Average	0	0	0	0	15.3	7.5	0.23	150.5	0.1	315.5	0.05	0.106
	Maximum	0	0	0	0	17	7.7	0.35	152	0.2	318	0.05	0.106
	Minimum	0	0	0	0	13	7.1	0.13	148	0.1	311	0.05	0.106

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5-Oct-10	1334 Lanyon	0	0	0	0		7.6	0.09	151	0.1	316	0.07	0.110
12-Oct-10	1381 Gilley			0	0	12	7.1	0.16	152	0.2	322		
18-Oct-10	1228 Sunrise	0	0	0	0		8.2	0.4	145	0.1	306		
25-Oct-10	1381 Gilley			0	0	13	8.3	0.3	142	0.1	307		
	Average	0	0	0	0	12.5	7.8	0.24	147.5	0.1	312.8	0.07	0.11
	Maximum	0	0	0	0	13	8.3	0.4	152	0.2	322	0.07	0.11
	Minimum	0	0	0	0	12	7.1	0.09	142	0.1	306	0.07	0.11

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2-Nov-10	1228 Sunrise	0	0	0	0	10	7.5	0.28	146	0.1	306	0.08	0.16
8-Nov-10	1334 Lanyon	0	0	0	0	12	7.6	0.07	149	0.1	323		
15-Nov-10	1381 Gilley			0	0	11	8	0.06	147	0.1	313		
24-Nov-10	1334 Lanyon			0	0	10	7.1	0.1	150	0.1	312		
30-Nov-10	1228 Sunrise			0	0	9	8	0.35	144	0.1	304		
	Average	0	0	0	0	10.4	7.6	0.17	147.2	0.1	311.6	0.08	0.16
	Maximum	0	0	0	0	12	8	0.35	150	0.1	323	0.08	0.16
	Minimum	0	0	0	0	9	7.1	0.06	144	0.1	304	0.08	0.16

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7-Dec-10	1334 Lanyon	0	0	0	0	8	7.5	0.11	147	0.1	313	0.07	0.140
14-Dec-10	1228 Sunrise	0	0	0	0		7.4	0.07	148	0.1	313		
21-Dec-10	1334 Lanyon			0	0		7.6	0.36	146	0.1	308		
29-Dec-10	1228 Sunrise			0	0		7.4	0.13	159	0.2	336		
	Average	0	0	0	0	8.0	7.5	0.17	150.0	0.1	317.5	0.07	0.14
	Maximum	0	0	0	0	8	7.6	0.36	159	0.2	336	0.07	0.14
	Minimum	0	0	0	0	8	7.4	0.07	146	0.1	308	0.07	0.14

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