

Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2025 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
		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)	Turbidity (NTU)
7-Jan-25	1228 Sunrise	0	0	0	0	9.5		0.42	57.2	0.06	121.3	0.14
14-Jan-25	1381 Gilley	0	0	0	0	9.4		0.39	62.9	0.06	132.6	0.15
21-Jan-25	1228 Sunrise			0	0	8	7.18	0.48	55.3	0.05	117.7	0.11
27-Jan-25	1381 Gilley			0	0	7	7.50	0.27	61.3	0.06	130.5	0.29
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

Legend:

* Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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5-Feb-25	1228 Sunrise			0	0	7	n/a	0.46	56.2	0.06	118.7	0.15
11-Feb-25	1381 Gilley	0	0	0	0	7.1	n/a	0.26	63.2	0.06	133.6	0.13
19-Feb-25	1228 Sunrise			0	0	7	6.83	0.52	60.2	0.06	127.4	0.15
26-Feb-25	1381 Gilley			0	0	7	7.39	0.40	68.0	0.07	142.0	0.16
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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5-Mar-25	1228 Sunrise	0	0	0	0	9	7.18	0.42	57.2	0.06	121.2	0.16
12-Mar-25	1381 Gilley	0	0	0	0	8	7.38	0.33	64.7	0.06	136.8	0.22
24-Mar-25	1381 Gilley			0	0	8	7.50	0.40	63.0	0.06	133.0	0.33
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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1-Apr-25	1228 Sunrise	0	0	0	0	11	7.22	0.33	55.0	0.05	116.0	0.17
9-Apr-25	1381 Gilley	0	0	0	0	9.9	7.72	0.27	62.4	0.06	131.9	0.17
15-Apr-25	1228 Sunrise			0	0	11	6.95	0.30	52.0	0.05	111.0	0.18
23-Apr-25	1381 Gilley			0	0	11.6	7.60	0.22	60.8	0.06	128.4	0.12
29-Apr-25	1381 Gilley			0	0	11.5	7.19	0.41	59.4	0.06	125.6	0.11
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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7-May-25	1228 Sunrise	0	0	0	0	13	6.98	0.43	51.0	0.05	107.0	0.23
13-May-25	1381 Gilley	0	0	0	0	13	7.46	0.41	58.8	0.06	124.3	0.13
21-May-25	1228 Sunrise			0	0	14	7.34	0.42	52.4	0.05	111.0	0.11
26-May-25	1381 Gilley			0	0	14	6.92	0.35	56.9	0.06	120.7	0.13
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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4-Jun-25	1228 Sunrise	0	0	0	0	15	6.73	0.45	54.2	0.05	115.0	0.28
11-Jun-25	1381 Gilley	0	0	0	0	14	7.11	0.53	55.5	0.05	117.4	0.23
24-Jun-25	1228 Sunrise			0	0	16	6.91	0.51	82.0	0.08	173.6	0.17
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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8-Jul-25	1228 Sunrise	0	0	0	0	17	7.18	0.39	90.2	0.01	189.8	0.18
15-Jul-25	1381 Gilley	0	0	0	0	18	7.26	0.35	101.9	0.10	212.8	0.15
22-Jul-25	1228 Sunrise			0	0	18	7.25	0.50	89.0	0.09	187.3	0.17
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12-Aug-25	1381 Gilley	0	0	0	0	20	7.12	0.37	90.6	0.09	190.6	0.20
13-Aug-25	1228 Sunrise	0	0	0	0	18	7.16	0.39	87.1	0.09	183.3	0.12
20-Aug-25	1228 Sunrise			0	0	18	7.18	0.41	86.0	0.09	180.1	0.18
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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3-Sep-25	1228 Sunrise	0	0	0	0	17	7.01	0.52	87.4	0.09	184.0	0.21
10-Sep-25	1381 Gilley	0	0	0	0	18	7.09	0.40	89.1	0.09	187.3	0.30
16-Sep-25	1228 Sunrise			0	0	17	7.06	0.44	87.9	0.09	185.1	0.22
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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14-Oct-25	1228 Sunrise	0	0			16	7.06	0.43	64.3	0.06	135.7	0.20
22-Oct-25	1381 Gilley	0	0			15	7.07	0.40	72.4	0.05	139.4	0.16
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4-Nov-25	1228 Sunrise	0	0			13	7.37	0.35	54.6	0.05	115.1	0.20
12-Nov-25	1381 Gilley	0	0			11	7.24	0.30	74.5	0.07	158.7	0.20
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3-Dec-25	1228 Sunrise	0	0			12.8	7.15	0.43	56.1	0.06	118.7	0.14
8-Dec-25	1381 Gilley	0	0			12.9	7.05	0.53	60.5	0.06	127.7	0.13
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