



Regional District of Nanaimo - Water Services Department

French Creek Water Analysis - 2024 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)
3-Jan-24	1228 Sunrise	0	0	0	0	10	6.79	0.34	51.4	0.05	109.0	0.14
24-Jan-24	1381 Gilley	0	0	0	0	9	6.77	0.37	59.1	0.06	125.6	0.2
31-Jan-24	1381 Gilley			0	0	n/a	7.58	0.38	52.8	0.05	111.5	0.21
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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6-Feb-24	1228 Sunrise	0	0	0	0	9	6.79	0.32	52.5	0.05	110.8	0.3
14-Feb-24	1381 Gilley	0	0	0	0	9	6.93	0.39	57.9	0.06	123.1	0.15
28-Feb-24	1381 Gilley			0	0	8	7.29	0.55	60.3	0.06	127.4	0.24
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-Mar-24	1228 Sunrise	0	0	0	0	8	6.80	0.33	53.0	0.05	112.1	0.11
19-Mar-24	1381 Gilley	0	0	0	0	9	7.13	0.29	59.1	0.06	125.1	0.13
26-Mar-24	1228 Sunrise	0	0	0	0	11	7.52	0.31	51.0	0.05	109.0	0.35
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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9-Apr-24	1228 Sunrise	0	0	0	0	10	6.84	0.55	66.9	0.07	141.5	0.16
16-Apr-24	1381 Gilley	0	0	0	0	10	7.25	0.45	66.4	0.07	139.9	0.14
24-Apr-24	1228 Sunrise			0	0	13	6.89	0.56	54.3	0.05	115.1	0.27
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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