Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2025 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	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	1105 Surfside	0	0	0	0	7.7		0.22	84.8	0.08	175.7	0.17
14-Jan-25	923 McFeely	0	0	0	0	7.2		0.25	80.2	0.08	167.8	0.25
21-Jan-25	962 Surfside	0	0	0	0	8	6.91	0.27	76.9	0.08	161.1	0.10
27-Jan-25	923 McFeely			0	0	6	6.62	0.25	75.0	0.07	159.0	0.11
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

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

Comments:

A full potability scan, including metals and minerals, is completed once per year at an external lab.

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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4-Feb-25	1105 Surfside			0	0	5		0.28	84.5	0.08	176.7	0.19
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

Legend:

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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.