



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2023 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)	Total Iron (mg/L)	Manganese (mg/L)
7-Mar-23	1105 Surfside	0	0	0	0	7	7.07	0.36	86.8	0.90	182.7	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
13-Mar-23	962 Surfside	0	0	0	0	6	7.12	0.52	80.0	0.08	169.1		
20-Mar-23	923 McFeely	0	0	0	0	7	7.02	0.46	69.9	0.07	147.8		
27-Mar-23	1105 Surfside			0	0	8	6.79	0.36	81.0	0.08	170.6		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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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8-Feb-23	1105 Sufside	0	0	0	0	7	7.16	0.40	71.2	0.07	150.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
14-Feb-23	962 Surfside	0	0	0	0	7	7.00	0.41	80.2	0.08	169.0		
21-Feb-23	923 McFeely	0	0	0	0	7	7.00	0.37	71.4	0.07	150.6		
28-Feb-23	1105 Sufside			0	0	6	7.05	0.40	84.3	0.08	176.9		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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4-Jan-23	1105 Surfside	0	0	0	0	7	6.79	0.44	92.8	0.09	195.1	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
10-Jan-23	962 Surfside	0	0	0	0	7	6.90	0.47	80.5	0.08	169.7		
18-Jan-23	923 McFeely	0	0	0	0	7	7.00	0.48	78.2	0.08	165.0		
22-Jan-23	1105 Surfside			0	0	7	6.85	0.34	87.7	0.09	184.7		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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