



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
11-Feb-25	923 McFeely	0	0	0	0	5.1		0.25	77.4	0.08	170.4	0.6
19-Feb-25	962 Surfside	0	0	0	0	6		0.29	78.9	0.08	169.9	0.2
25-Feb-25	962 McFeely			0	0	6	6.78	0.35	75.0	0.07	158.0	0.11
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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5-Mar-25	1105 Surfside	0	0	0	0	8	6.85	0.31	85.2	0.08	179.4	0.2
12-Mar-25	923 McFeely	0	0	0	0	8	6.75	0.35	73.5	0.07	155.2	0.17
19-Mar-25	962 Surfside	0	0	0	0	9	6.76	0.29	76.3	0.08	161.6	0.11
24-Mar-25	962 McFeely			0	0	8	6.70	0.22	74.8	0.07	158.0	0.12
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	1105 Surfside	0	0	0	0	10	6.80	0.16	78.0	0.08	166.0	0.14
9-Apr-25	923 McFeely	0	0	0	0	9.5	6.75	0.31	70.2	0.07	147.7	0.1
23-Apr-25	962 Surfside	0	0	0	0	13.3	6.92	0.12	69.6	0.07	147.1	0.15
29-Apr-25	923 McFeely			0	0	12.3	6.73	0.03	78.6	0.08	155.0	0.11
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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7-May-25	1105 Surfside	0	0	0	0	13	6.67	0.19	74.0	0.07	155.0	0.18
13-May-25	923 McFeely	0	0	0	0	14	6.76	0.21	70.8	0.07	149.6	0.16
21-May-25	962 Surfside	0	0	0	0	15	6.63	0.23	71.8	0.07	151.7	0.21
28-May-25	962 McFeely			0	0	14.9	6.94	0.32	85.1	0.09	170.2	0.15
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	1105 Surfside	0	0	0	0	15	6.59	0.35	73.8	0.07	155.4	0.17	
11-Jun-25	923 McFeely	0	0	0	0	17	6.82	0.31	74.7	0.07	157.4	0.22	
24-Jun-25	962 Surfside	0	0	0	0	18	6.73	0.49	97.6	0.10	205.5	0.39	
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	1105 Surfside	0	0	0	0	17	6.71	0.38	86.0	0.09	181.0	0.16	
15-Jul-25	923 McFeely	0	0	0	0	20	6.47	0.46	116.8	0.12	245.0	0.25	
22-Jul-25	962 Surfside	0	0	0	0	19	6.29	0.46	129.1	0.13	271.0	0.14	
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12-Aug-25	923 McFeely	0	0	0	0	21	7.04	0.34	152.8	0.15	319.0	0.35
13-Aug-25	1105 Surfside	0	0	0	0	20	6.90	0.28	171.5	0.17	356.0	0.13
20-Aug-25	962 Surfside	0	0	0	0	20	6.89	0.46	179.3	0.18	373.0	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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3-Sep-25	1105 Surfside Drive	0	0	0	0	19	6.51	0.42	172.5	0.18	376.0	0.25
10-Sep-25	923 McFeely Drive	0	0	0	0	19	6.70	0.30	173.0	0.18	378.0	0.37
16-Sep-25	962 Surfside Drive	0	0	0	0	19	6.40	0.37	159.0	0.16	332.0	0.23
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	1105 Surfside	0	0			17	6.53	0.24	159.7	0.16	333.0	0.27
21-Oct-25	923 McFeely	0	0			15	6.55	0.29	157.7	0.16	329.0	0.27
28-Oct-25	962 Surfside	0	0			12.5	6.57	0.20	145.5	0.14	306.0	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-Nov-25	1105 Surfside	0	0			12	6.95	0.15	163.1	0.16	348.0	0.26
12-Nov-25	923 McFeely	0	0			11	6.77	0.22	120.4	0.12	252.0	0.2
17-Nov-25	962 Surfside	0	0			10	6.54	0.23	113.1	0.11	237.0	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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3-Dec-25	1105 Surfside	0	0			12.5	6.97	0.25	113.7	0.11	239.0	0.2
8-Dec-25	923 McFeely	0	0			10.7	6.73	0.32	99.5	0.10	209.2	0.13
15-Dec-25	962 Surfside	0	0			9.5	6.80	0.32	100.0	0.10	209.2	0.33
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