



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)	Turbidity NTU	Total Iron (mg/L)	Manganese (mg/L)
6-Sep-23	1105 Surfside	0	0	0	0	18	6.39	0.22	444.0	0.44	890.0	0.2	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
13-Sep-23	962 McFeely	0	0	0	0	18	6.37	0.13	420.0	0.42	859.0	0.3		
20-Sep-23	962													
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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1-Aug-23	962 Surfside	0	0	0	0	17	6.75	0.21	n/a	n/a	n/a	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
8-Aug-23	962 Mc Feely	0	0	0	0	19.5	6.28	0.28	n/a	n/a	n/a		
15-Aug-23	962 SurfSide	0	0	0	0	17	6.35	0.42	n/a	n/a	n/a		
23-Aug-23	962 Mcfeely	0	0	0	0	20	6.43	0.17	582.0	0.59	1184.0		
30-Aug-23	1105 Surfside			0	0	18	6.45	0.20	363.0	0.36	739.0		
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-Jul-23	1105 Surfside	0	0	0	0	17	6.47	0.44	235.0	0.23	487.0	0.16	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
11-Jul-23	962 Mcfeely			0	0	18	6.42	0.20	243.0	0.24	502.0	0.35		
18-Jul-23	962 Surfside			0	0	17	6.48	0.20	237.0	0.24	490.0	0.13		
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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6-Jun-23	962 Surfside	0	0	0	0	18	6.99	0.38	121.2	0.12	255.0	0.58	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
13-Jun-23	923 McFeely	0	0	0	0	17	6.36	0.33	182.0	0.18	378.0	0.37		
20-Jun-23	1105 Surfside	0	0	0	0	15	6.66	0.48	125.6	0.12	263.0	0.11		
27-Jun-23	962 McFeely			0	0	18	6.89	0.53	199.2	0.20	413.0	0.30		
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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3-May-23	962 Surfside	0	0	0	0	11	7.00	0.43	7.0	0.07	147.8	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
9-May-23	962 McFeely	0	0	0	0	11	6.96	0.31	69.2	0.07	146.3		
15-May-23	1105 Surfside	0	0	0	0	15	6.92	0.41	82.8	0.08	174.3		
24-May-23	962 McFeely			0	0	15	6.98	0.32	77.8	0.08	163.9		
31-May-23	923 McFeely			0	0	16	6.99	0.33	106.9	0.11	224.0		
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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3-Apr-23	1105 Surfside	0	0	0	0	8	6.69	0.40	72.8	0.08	169.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
12-Apr-23	962 Surfside	0	0	0	0	8	6.90	0.18	71.4	0.07	150.9		
19-Apr-23	923McFeely			0	0	9	7.40	0.43	68.2	0.07	144.1		
26-Apr-23	1105 Surfside	0	0	0	0	8	7.11	0.42	73.9	0.07	156.0		
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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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

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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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