



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2022 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)	Total Iron (mg/L)	Manganese (mg/L)
5-Dec-22	1105 Surfside	0	0	0	0	8	7.09	0.30	110.7	0.11	233.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
14-Dec-22	962 Surfside	0	0	0	0	8	7.05	0.49	86.3	0.09	181.4		
21-Dec-22	923 McFeely	0	0	0	0	7	7.00	0.20	82.3	0.08	173.8		
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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3-Nov-22	1105 Surfside	0	0	0	0	13	7.48	0.24	104.4	0.10	219.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
8-Nov-22	923 McFeely	0	0	0	0	12	6.89	0.26	77.7	0.08	163.7		
14-Nov-22	962 Surfside	0	0	0	0	12	6.85	0.43	85.9	0.09	181.1		
21-Nov-22	1105 Sufside			0	0	10	6.88	0.22	89.6	0.09	188.5		
28-Nov-22	923 McFeely			0	0	10	6.85	0.31	78.9	0.08	166.7		
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

Legend:

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5-Oct-22	1105 Surfside	0	0	0	0	16	6.82	0.30	97.3	0.10	204.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
12-Oct-22	923 McFeely	0	0	0	0	16	6.77	0.44	98.6	0.10	206.7		
17-Oct-22	962 Surfside	0	0	0	0	15	6.65	0.48	93.9	0.09	197.1		
24-Oct-22	1105 Surfside			0	0	15	6.74	0.39	93.6	0.09	197.0		
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-Sep-22	1105 Surfside	0	0	0	0	17	6.89	0.38	96.3	0.10	202.5	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
14-Sep-22	923 McFeely	0	0	0	0	18	7.04	0.35	105.9	0.10	222.0		
21-Sep-22	962 Surfside	0	0	0	0	16	7.20	0.59	106.1	0.11	233.0		
27-Sep-22	1105 Surfside			0	0		6.77	0.44	99.2	0.10	208.2		
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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2-Aug-22	1105 Surfside	0	0	0	0	n/a	7.33	0.50	75.5	0.07	159.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
9-Aug-22	923 McFeely	0	0	0	0	19	6.72	0.48	76.8	0.08	161.9		
16-Aug-22	962 Surfside	0	0	0	0	18	7.18	0.42	89.5	0.09	188.0		
22-Aug-22	1105 Surfside			0	0	17	6.59	0.51	88.3	0.09	186.0		
31-Aug-22	923 McFeely			0	0	20	7.50	0.41	91.6	0.09	193.6		
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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6-Jul-22	1105 Surfside	0	0	0	0	17	7.65	0.44	67.7	0.07	143.4	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
13-Jul-22	923 McFeely	0	0	0	0	18	6.79	0.33	69.2	0.07	146.9		
20-Jul-22	962 Surfside	0	0	0	0	18	6.77	0.30	70.7	0.07	147.7		
26-Jul-22	1105 Surfside			0	0	17	7.02	0.41	72.5	0.07	153.2		
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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1-Jun-22	1105 Surfside			0	0	12	7.03	0.44	68.9	0.07	145.6	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
8-Jun-22	923 McFeely	0	0	0	0	15	6.87	0.30	67.9	0.07	143.6		
15-Jun-22	962 Surfside	0	0	0	0	14	7.00	0.28	68.0	0.07	143.9		
27-Jun-22	1105 Surfside	0	0	0	0	16	8.09	0.36	65.0	0.07	137.9		
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-May-22	1105 Surfside	0	0	0	0	10	6.91	0.39	75.0	0.07	158.2	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
9-May-22	923 McFeely	0	0	0	0	10	6.83	0.26	69.4	0.07	146.6		
16-May-22	962 Surfside	0	0	0	0	11	6.80	0.44	69.7	0.07	143.3		
25-May-22	1105 Surfside			0	0	12	6.75	0.39	70.5	0.07	148.8		
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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5-Apr-22	1105 Surfside	0	0	0	0	9	7.15	0.27	84.1	0.08	177.1	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
13-Apr-22	923 McFeely	0	0	0	0	9	6.78	0.38	71.3	0.07	150.5		
20-Apr-22	962 Surfside	0	0	0	0	8	6.85	0.38	69.9	0.07	147.5		
25-Apr-22	1105 Surfside			0	0	8	6.83	0.38	85.2	0.08	186.0		
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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2-Mar-22	1105 Surfside	0	0	0	0	6	6.90	0.36	79.8	0.08	168.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/surfside	
8-Mar-22	923 McFeely	0	0	0	0	7	7.25	0.40	80.8	0.08	170.8		
16-Mar-22	962 Surfside	0	0	0	0	7	6.91	0.32	83.8	0.08	176.5		
23-Mar-22	1105 Surfside			0	0	8	7.11	0.35	82.0	0.08	172.5		
29-Mar-22	923 McFeely			0	0	9	7.49	0.35	70.6	0.07	149.3		
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-22	923 McFeely	0	0	0	0	6	6.91	0.31	68.9	0.07	145.1		
16-Feb-22	962 Surfside	0	0	0	0	6	7.00	0.41	74.9	0.08	159.6		
23-Feb-22	1105 Surfside			0	0	7	6.95	0.41	82.4	0.08	173.5		
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