



# Regional District of Nanaimo - Water Services Department

## Surfside Water Analysis - 2024 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)	Turbidity (NTU)
3-Jan-24	1105 Surfside	0	0	0	0	8	6.40	0.35	170.0	0.17	354.0	0.28
24-Jan-24	962 Surfside	0	0	0	0	9	6.59	0.20	150.9	0.15	315.0	0.29
31-Jan-24	962 McFeely			0	0	n/a	7.51	0.35	144.0	0.14	291.0	0.32
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](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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6-Feb-24	1105 Surfside	0	0	0	0	9	6.75	0.26	146.6	0.15	305	0.26
14-Feb-24	923 McFeely	0	0	0	0	8	6.81	0.24	117.5	0.12	247.0	0.18
21-Feb-24	923 McFeely	0	0	0	0	8	6.69	0.31	116.4	0.12	244.0	0.3
28-Feb-24	962 Surfside			0	0	8	6.90	0.39	111.3	0.11	233.0	0.14
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-Mar-24	1105 Surfside	0	0	0	0	8	6.85	0.10	112.9	0.11	237.0	0.21
15-Mar-24	962 Surfside			0	0	10	7.10	0.24	92.0	0.10	207.0	0.26
19-Mar-24	962 McFeely	0	0	0	0	10	7.13	0.22	99.0	0.10	210.4	0.32
26-Mar-24	962 McFeely			0	0	9	7.51	0.27	97.0	0.10	204.0	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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9-Apr-24	1105 Surfside	0	0	0	0	10	7.04	0.23	97.2	0.10	205.6	0.2
16-Apr-24	923 McFeely	0	0	0	0	10	6.61	0.42	89.4	0.09	187.7	0.14
24-Apr-24	923 McFeely	0	0	0	0	12	6.50	0.53	87.0	0.09	183.3	0.17
29-Apr-24	962 Surfside	0	0	0	0	12	6.57	0.36	90.6	0.09	100.3	0.14
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-May-24	1105 Surfside	0	0	0	0	13	6.45	0.53	91.4	0.09	192.2	0.29
14-May-24	962 McFeely	0	0	0	0	12	6.44	0.40	88.2	0.09	185.8	0.21
21-May-24	962 Surfside	0	0	0	0	14	6.51	0.55	79.9	0.08	167.6	0.26
28-May-24	962 McFeely			0	0	15	6.50	0.60	87.3	0.09	183.6	0.2
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-Jun-24	1105 Surfside	0	0	0	0	14	6.66	0.62	89.2	0.09	187.5	0.1
17-Jun-24	923 McFeely	0	0	0	0	16		0.48				0.16
17-Jun-24	962 Surfside	0	0	0	0	16	6.70	0.44	116.9	0.12	245.0	0.21
26-Jun-24	923 McFeely			0	0	17	7.13	0.55	93.5	0.09	196.7	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-Jul-24	1105 Surfside	0	0	0	0	15	6.80	0.56	116.7	0.10	233.0	0.22
9-Jul-24	923 McFeely	0	0	0	0	18	6.80	0.45	95.9	0.09	204.0	0.21
16-Jul-24	962 Surfside	0	0	0	0	18	6.78	0.56	106.8	11.00	224.0	0.15
23-Jul-24	962 Surfside			0	0	21	6.76	0.48	113.7	0.11	239.0	0.27
31-Jul-24	923 McFeely			0	0	19	6.89	0.32	141.0	0.14	294.0	0.64
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7-Aug-24	1105 Surfside	0	0	0	0	18	6.60	0.67	189.5	0.19	393.0	0.18
13-Aug-24	923 McFeely	0	0	0	0	20	6.59	0.48	164.6	0.16	343.0	0.49
21-Aug-24	962 Surfside	0	0	0	0	21	6.96	0.42	158.4	0.16	157.5	0.20
27-Aug-24	962 McFeely			0	0	19	6.71	0.35	191.9	0.19	399.0	0.40
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-Sep-24	1105 Surfside	0	0	0	0	20	6.60	0.39	177.0	0.18	368.0	0.25
11-Sep-24	923 McFeely	0	0	0	0	18.5	6.80	0.38	156.9	0.16	325.0	0.18
16-Sep-24	962 Surfside	0	0	0	0	18	6.59	0.40	155.1	0.15	323.0	0.22
24-Sep-24	962 McFeely			0	0	18	6.70	0.20	160.6	0.16	334.0	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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2-Oct-24	1105 Surfside	0	0	0	0	17	6.74	0.40	135.2	0.13	283.0	0.23
9-Oct-24	923 McFeely	0	0	0	0	16	6.99	0.17	136.0	0.14	285.0	0.58
16-Oct-24	962 Surfside	0	0	0	0	14	6.70	0.23	119.0	0.12	249.0	0.21
23-Oct-24	962 McFeely			0	0	14	6.68	0.10	114.0	0.11	239.0	0.13
29-Oct-24	923 McFeely			0	0	12	6.87	0.10	129.0	0.13	270.0	0.26
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6-Nov-24	1105 Surfside	0	0	0	0	12.8	6.53	0.25	128.7	0.13	280.0	0.23
25-Nov-24	923 McFeely	0	0	0	0			0.61	102.2	0.10	215.2	0.24
26-Nov-24	962 Surfside	0	0	0	0			0.52	96.4	0.10	202.8	0.34
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9-Dec-24	923 McFeely	QRWRT	QRWRT	0	0	9		0.36	99.0	0.10	207.7	0.12
17-Dec-24	962 Surfside			0	0	9		0.41	97.9	0.10	206.1	0.19
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QRWRT: Sample exceeded 30 hours from time of collection, results may not be valid. No written report will be issued and only a qualitative result will be reported by telephone.

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