Regional District of Nanaimo - Water Services Department

Whiskey Creek 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	3533 Hebert	0	0	0	0	8.5		0.57	31.3	0.03	67.0	0.20
7-Jan-25	Well Head			0	0	9		0.00	29.4	0.03	62.8	0.22
14-Jan-25	844 Carson	0	0	0	0	8		0.53	35.8	0.03	76.2	0.33
21-Jan-25	3537 Harris	0	0	0	0	8	6.77	0.51	31.9	0.03	67.7	0.15
27-Jan-25	3564 Foxglove	0	0	0	0	7.5	6.73	0.57	32.9	0.03	69.6	0.16
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

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

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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5-Feb-25	Well Head			0	0	9			28.8	0.03	61.3	0.02
19-Feb-25	3537 Harris	0	0	0	0	7	6.52	0.53	32.1	0.03	68.8	0.51
19-Feb-25	844 Carson	0	0	0	0	7	6.59	0.55	33	0.03	67.1	0.49
26-Feb-25	3564 Foxglove	0	0	0	0	7	7.00	0.57	34.0	0.03	72.0	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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5-Mar-25	3533 Hebert	0	0	0	0			0.55				0.13
5-Mar-25	Well Head			0	0	10	6.62		28.8	0.03	61.3	0.04
12-Mar-25	844 Carson	0	0	0	0	8	6.80	0.55	37.1	0.04	79.2	0.44
19-Mar-25	3537 Harris	0	0	0	0	9	6.72	0.20	31.6	0.03	67.3	0.19
24-Mar-25	3564 Foxglove	0	0	0	0	7	7.14	0.56	37.0	0.04	78.0	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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1-Apr-25	3533 Hebert	0	0	0	0	9	7.08	0.58	31.0	0.03	67.0	0.32
9-Apr-25	844 Carson	0	0	0	0	8.2	8.69	0.49	34.9	0.03	74.0	0.19
15-Apr-25	3537 Harris	0	0	0	0	10	6.67	0.41	31.4	0.03	67.0	0.50
23-Apr-25	3564 Foxglove	0	0	0	0	11.6	7.03	0.50	35.8	0.03	76.3	0.13
29-Apr-25	844 Carson			0	0	8.3	7.14	0.42	37.0	0.04	78.7	0.28
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	3533 Hebert	0	0	0	0	12	6.70	0.50	31.0	0.03	66.0	0.26
7-May-25	Well Head	0	0	0	0	10	6.55	n/a	29.0	0.03	62.0	0.08
13-May-25	844 Carson	0	0	0	0	11	6.94	0.50	35.6	0.03	75.6	0.21
21-May-25	3537 Harris	0	0	0	0	12	6.70	0.45	31.5	0.03	67.1	0.21
26-May-25	3564 Foxglove	0	0	0	0	12	7.23	0.61	33.8	0.03	71.4	0.41
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	3533 Hebert	0	0	0	0	n/a	n/a	0.68				0.20
4-Jun-25	Well Head			0	0	11	6.76	n/a	31.1	0.03	66.1	0.10
11-Jun-25	844 Carson	0	0	0	0	13	6.68	0.68	34.2	0.03	72.7	0.35
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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