



# Regional District of Nanaimo - Water Services Department

## Whiskey Creek 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	3533 Hebert	0	0	0	0	8	6.94	0.60	32.9	0.03	70.0	0.21
24-Jan-24	844 Carson	0	0	0	0	9	n/a	0.51	n/a	n/a	n/a	0.29
24-Jan-24	3537 Harris	0	0	0	0	9	6.89	0.55	35.9	0.04	76.1	0.20
31-Jan-24	3564 Foxglove	0	0	0	0		7.21	0.62	34.4	0.03	58.7	0.45
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](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	3533 Hebert	0	0	0	0	9	6.9	0.57	31.8	0.03	67.6	0.22
14-Feb-24	844 Carson	0	0	0	0	8	6.55	0.51	34.9	0.03	74.1	0.49
21-Feb-24	3537 Harris	0	0	0	0	8	6.81	0.47	35.1	0.03	74.4	0.39
28-Feb-24	3564 Foxglove	0	0	0	0	8	7.02	0.47	40.7	0.04	86.9	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-Mar-24	3533 Hebert	0	0	0	0	8	7.48	0.38	34.3	0.03	72.8	0.34
19-Mar-24	3564 Foxglove	0	0	0	0	9		0.51				0.33
19-Mar-24	3537 Harris	0	0	0	0	9	7.30	0.48	31.4	0.03	67.1	0.40
26-Mar-24	844 Carson	0	0	0	0	9	7.51	0.38	34	0.03	73	0.46
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	3533 Hebert	0	0	0	0	10	6.75	0.66	32.1	0.03	67.90	0.21
24-Apr-24	844 Carson	0	0	0	0	12		0.53				0.28
24-Apr-24	3537 Harris	0	0	0	0	12	6.40	0.51	34.5	0.03	73.2	0.34
29-Apr-24	3564 Foxglove	0	0	0	0	11	6.66	0.54	34.7	0.03	73.9	0.19
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	3533 Hebert	0	0	0	0	12	6.39	0.56	31.8	0.03	67.80	0.19
14-May-24	844 Carson	0	0	0	0	12	6.59	0.51	34.1	0.03	72.5	0.31
21-May-24	3537 Harris	0	0	0	0	12	6.68	0.57	35.5	0.03	75.3	0.29
28-May-24	3564 Foxglove	0	0	0	0	13	6.99	0.56	36.7	0.04	78.1	0.31
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	3533 Hebert	0	0	0	0	14	6.92	0.60	34.3	0.03	73.20	0.15
12-Jun-24	844 Carson			0	0	15	6.97	0.59	34.9	0.03	74.9	0.19
17-Jun-24	3537 Harris	0	0	0	0	13	6.41	0.81	33.2	0.03	70.5	0.16
26-Jun-24	3564 Foxglove	0	0	0	0	15	7.57	0.82	34.5	0.03	73.3	1.00
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-Jul-24	3533 Hebert	0	0	0	0	13	6.90	0.60	66.4	0.03	31.20	0.24
2-Jul-24	Well Head	0	0	0	0	9	6.85	n/a	60.5	0.03	29.6	0.35
9-Jul-24	844 Carson	0	0	0	0	15	7.10	0.63	35.0	0.03	74.5	0.53
17-Jul-24	844 Carson	0	0	0	0	16	7.59	0.73	36.4	0.04	77.3	0.13
24-Jul-24	3564 Foxglove	0	0	0	0	15	7.13	0.64	33.5	0.03	71.3	0.11
30-Jul-24	844 Carson			0	0	15.5	7.44	0.60	34.6	0.03	73.6	0.34
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-Aug-24	3533 Hebert	0	0	0	0	16	7.01	0.48	35.0	0.03	74.30	0.40
13-Aug-24	844 Carson	0	0	0	0	16	6.72	0.67	34.9	0.03	74.2	0.37
13-Aug-24	Well Head			0	0	13	6.58	n/a	33.8	0.03	71.8	0.12
20-Aug-24	3537 Harris	0	0	0	0	14	7.70	0.54	31.1	0.03	66.2	0.66
26-Aug-24	3564 Foxglove	0	0	0	0	19	7.31	0.59	36.7	0.04	78.6	0.31
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	3564 Foxglove	0	0	0	0	16	6.88	0.72	32.6	0.03	69.50	0.39
11-Sep-24	844 Carson	0	0	0	0	15	7.23	0.74	35.9	0.03	76.4	0.14
16-Sep-24	3537 Harris	0	0	0	0	18	6.80	0.75	33.8	0.03	72.1	0.22
24-Sep-24	3564 Foxglove	0	0	0	0	18	7.00	0.70	39.9	0.04	84.3	0.24
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9-Oct-24	844 Carson			0	0	14	7.11	0.61	39.0	0.04	83.0	0.32
16-Oct-24	3537 Harris	0	0	0	0	14	7.32	0.67	33.3	0.03	71.2	0.34
23-Oct-24	3564 Foxglove	0	0	0	0	14	7.18	0.63	37.0	0.04	78.0	0.24
29-Oct-24	844 Carson	0	0	0	0	11	7.25	0.55	36.3	0.04	76.7	0.14
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25-Nov-24	844 Carson	0	0	0	0			0.49				0.50
26-Nov-24	3537 Harris	0	0	0	0	11		0.56	35.5	0.03	75.5	0.26
26-Nov-24	3564 Foxglove	0	0	0	0	11		0.58	32.3	0.03	68.5	0.28
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9-Dec-24	844 Carson	QRWRT	QRWRT	0	0	9		0.52	34.8	0.03	74.1	0.19
17-Dec-24	3537 Harris			0	0	9		0.50	32.7	0.03	69.4	0.12
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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.

**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](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.