



# Regional District of Nanaimo - Water Services Department

## Whiskey Creek Water Analysis - 2023 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								Bureau Veritas Lab	
		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)
7-Mar-23	844 Carson	0	0	0	0	9	7.13	0.51	17.37	0.02	37.1		
7-Mar-23	Temp Watermain	0	0	0	0	n/a	n/a	0.99	n/a	n/a	n/a		
13-Mar-23	3537 Harris	0	0	0	0	7	6.90	0.59	31.4	0.03	66.8		
20-Mar-23	3533 Hebert	0	0	0	0	7	7.53	0.56	28.9	0.03	61.5		
27-Mar-23	3564 Foxglove	0	0	0	0	8	7.66	0.78	36.4	0.04	77.2		
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

### 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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8-Feb-23	844 Carson	0	0	0	0	n/a	n/a	0.54	n/a	n/a	n/a		
8-Feb-23	Temp Watermain	0	0	0	0	n/a	n/a	0.68	n/a	n/a	n/a		
14-Feb-23	3537 Harris	0	0	0	0	8	7.16	0.62	32.4	0.03	69		
21-Feb-23	3533 Hebert	0	0	0	0	8	7.12	0.63	31.0	0.03	65.9		
28-Feb-23	3564 Foxglove	0	0	0	0	7	7.41	0.56	33.9	0.03	72.1		
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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4-Jan-23	844 Carson	0	0	0	0	10	7.80	0.74	28.3	0.03	59.6		
4-Jan-23	Temp Watermain	0	0	0	0			0.82					
10-Jan-23	3537 Harris	0	0	0	0	7	7.04	0.76	35.5	0.03	75.4		
18-Jan-23	3533 Hebert	0	0	0	0	8	7.18	0.76	36.8	0.04	78.2		
25-Jan-23	3564 Foxglove	0	0	0	0	8	7.11	0.60	36.3	0.04	77.1		
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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