Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2022 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)
05-Jan-22	3537 Harris			0	0	7	6.98	0.73	32.9	0.03	70.1
05-Jan-22	Well Head			0	0	4					
05-Jan-22	Temp Watermain			0	0	4	6.80	0.68	35.1	0.03	71.4
12-Jan-22	844 Carson			0	0	6	7.33	0.67	37.5	0.04	79.1
12-Jan-22	Well Head			0	0	4					
12-Jan-22	Temp Watermain			0	0	4					
17-Jan-22	3537 Harris			0	0	7	6.80	0.78	30.4	0.03	64.7
17-Jan-22	Well Head			0	0	4					
17-Jan-22	Temp Watermain			0	0	4					
26-Jan-22	3564 Foxglove			0	0	8	7.20	0.80	37.1	0.04	77.7
26-Jan-22	Well Head			0	0						
26-Jan-22	Temp Watermain			0	0						
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

Green font indicates a value flagged for operational considerations

Comments:

Iron and Manganese are no longer being tested in-house.

A full potability scan is completed once per year at an external lab that includes metals and minerals.

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.