



Regional District of Nanaimo - Water Services Department

River's Edge Water Analysis - 2024 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory & 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)
10-Jan-24	2235 Rascal	0	0	0	0	10	7.48	0.70	279.0	0.28	574.0	0.25
24-Jan-24	1969 Kaye	0	0	0	0	9	7.50	0.49	276.0	0.28	569.0	0.29
31-Jan-24	1969 Kaye			0	0	n/a	8.12	0.58	281.0	0.28	579.0	0.49
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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07-Feb-24	2235 Rascal	0	0	0	0	9	7.79	0.55	278	0.28	572	0.32
13-Feb-24	1969 Kaye	0	0	0	0	9	7.80	0.47	274.0	0.27	564.0	0.27
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-24	2235 Rascal	0	0	0	0	8	7.79	0.47	276.0	0.28	567.0	0.32
12-Mar-24	1969 Kaye	0	0	0	0	7	7.88	0.47	290.0	0.29	598.0	0.23
26-Mar-24	1969 Kaye	0	0	0	0	8	7.55	0.41	275.0	0.27	566.0	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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10-Apr-24	2235 Rascal			0	0	10	7.38	0.52	275.0	0.28	568.0	0.33
17-Apr-24	1969 Kaye	0	0	0	0	11	7.70	0.54	277.0	0.28	570.0	0.34
23-Apr-24	2235 Rascal			0	0	11	7.21	0.63	275.0	0.27	566.0	0.29
29-Apr-24	2235 Rascal	0	0	0	0	12	7.19	0.63	281.0	0.27	571.0	0.3
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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6-May-24	2235 Rascal	0	0	0	0	12	7.55	0.70	276.0	0.28	570.0	0.28
15-May-24	1969 Kaye	0	0	0	0	12	7.73	0.72	7.8	0.28	579.0	0.32
21-May-24	1969 Kaye			0	0	13	7.50	0.81	279.0	0.28	575.0	0.32
28-May-24	2235 Rascal			0	0	11	7.67	0.67	283.0	0.28	583.0	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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4-Jun-24	2235 Rascal	0	0	0	0	14	7.62	0.45	279.0	0.28	464.0	0.25
12-Jun-24	1969 Kaye			0	0	14	7.41	0.75	281.0	0.28	575.0	0.33
26-Jun-24	1969 Kaye	0	0	0	0	14	7.50	0.73	136.5	0.24	490.0	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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2-Jul-24	2235 Rascal	0	0	0	0	14	7.04	0.77	283.0	0.28	586.0	0.37
9-Jul-24	1969 Kaye			0	0	16	7.61	0.90	282.0	0.28	578.0	0.7
15-Jul-24	2235 Rascal			0	0	16	7.84	0.94	288.0	0.29	592.0	0.67
22-Jul-24	1969 Kaye			0	0	15	7.72	0.79	290.0	0.29	597.0	0.35
30-Jul-24	1969 Kaye			0	0	16	7.39	0.47	289.0	0.29	593.0	0.47
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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6-Aug-24	2235 Rascal	0	0	0	0	18	7.08	0.70	289.0	0.29	595.0	0.41
13-Aug-24	1969 Kaye	0	0	0	0	17	7.08	0.69	293.0	0.29	602.0	0.39
20-Aug-24	2235 Rascal	0	0	0	0	16	7.75	0.67	286.0	0.29	587.0	0.38
27-Aug-24	1969 Kaye			0	0	17	7.45	0.67	292.0	0.29	599.0	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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3-Sep-24	2235 Rascal	0	0	0	0	16	7.79	0.84	289.0	0.29	595.0	0.31
9-Sep-24	1969 Kaye	0	0	0	0	16	7.60	0.82	289.0	0.29	594.0	0.2
18-Sep-24	2235 Rascal			0	0	16	7.69	0.66	288.0	0.29	594.0	0.29
24-Sep-24	1969 Kaye			0	0	17	7.39	0.59	288.0	0.29	591.0	0.39
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-Oct-24	1969 Kaye	0	0	0	0	14	7.53	0.58	292.0	0.29	600.0	0.28
15-Oct-24	2235 Rascal	0	0	0	0	13	7.50	0.56	292.0	0.29	600.0	0.35
23-Oct-24	1969 Kaye			0	0	13	6.99	0.53	293.0	0.29	603.0	0.27
28-Oct-24	1969 Kaye			0	0	12.5	7.33	0.50	281.0	0.28	589.0	0.25
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6-Nov-24	2235 Rascal	0	0	0	0	11	6.58	0.51	289.0	0.29	598.0	0.23
25-Nov-24	1969 Kaye	0	0	0	0			0.46	288.0	0.29	593.0	0.33
26-Nov-24	2235 Rascal	0	0	0	0	11		0.50	284.0	0.28	586.0	0.29
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2-Dec-24	1969 Kaye Rd	0	0	0	0	9		0.47	284.0	0.28	585.0	0.21
9-Dec-24	2235 Rascal	QRWRT	QRWRT	0	0	9		0.44	284.0	0.28	584.0	0.15
17-Dec-24	2235 Rascal			0	0	9		0.43	282.0	0.28	582.0	0.25
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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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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