



# Regional District of Nanaimo - Water Services Department

## Decourcey 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)
2-Jan-24	2458 Pylades			0	0	9.6	7.57	0.01	0.39	0.35	712.0	0.39
8-Jan-24	2458 Pylades			0	0	8	7.47	0.01	341.00	0.34	701.0	0.34
22-Jan-24	2458 Pylades	0	0	0	0	8	6.82	0.00	364.00	0.36	649.0	0.32
29-Jan-24	2458 Pylades			0	0	7.5	7.65	0.00	339.00	0.34	688.0	0.32
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:**

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

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

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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5-Feb-24	2458 Pylades	0	0	0	0	8	7.60	0.02	367.0	0.37	750.0	0.27
12-Feb-24	2458 Pylades			0	0	7	7.50	0.03	331.0	0.33	680.0	0.31
21-Feb-24	2458 Pylades			0	0	8	7.66	0.04	332.0	0.33	681.0	0.29
27-Feb-24	2458 Pylades			0	0	7	7.59	0.03	328.0	0.33	674.0	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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6-Mar-24	2458 Pylades			0	0	7	7.44	0.03	301.0	0.30	625.0	0.29
11-Mar-24	2458 Pylades	0	0	0	0	8	7.80	0.03	315.0	0.31	647.0	0.28
18-Mar-24	2458 Pylades			0	0	8	7.60	0.03	316.0	0.32	647.0	0.32
27-Mar-24	2458 Pylades			0	0	9	7.63	0.00	303.0	0.30	620.0	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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8-Apr-24	2458 Pylades	0	0	0	0	9	7.56	0.03	307.0	0.31	630.0	0.29
15-Apr-24	2458 Pylades			0	0	10	7.22	0.00	307.0	0.31	632.0	0.42
22-Apr-24	2458 Pylades			0	0	11	7.44	0.01	307.0	0.31	632.0	0.40
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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