

Regional District of Nanaimo - Water Services Department

Decourcey 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)	Total Iron (mg/L)	Manganese (mg/L)
2-Aug-22	2458 Pylades	0	0	0	0	19	7.35	0.01	360.0	0.36	737.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
8-Aug-22	2458 Pylades			0	0	19	7.54	0.02	367.0	0.37	751.0		
15-Aug-22	2458 Pylades			0	0	19	7.36	0.03	375.0	0.37	768.0		
22-Aug-22	2458 Pylades			0	0	18	7.66	0.02	393.0	0.38	804.0		
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)

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 is completed once per year at an external lab that includes metals and minerals.

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4-Jul-22	2458 Pylades	0	0	0	0	15	7.43	0.03	321.0	0.32	659.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
11-Jul-22	2458 Pylades			0	0	18	7.40	0.04	312.0	0.31	632.0		
18-Jul-22	2458 Pylades			0	0	18	7.42	0.02	337.0	0.34	680.0		
27-Jul-22	2458 Pylades			0	0	19	7.34	0.02	330.0	0.33	678.0		
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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6-Jun-22	2458 Pylades	0	0	0	0	12	7.38	0.00	327.00	0.33	671.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
14-Jun-22	2458 Pylades			0	0	14	7.61	0.02	356.0	0.36	730.0		
20-Jun-22	2458 Pylades			0	0	15	7.37	0.03	318.0	0.32	653.0		
28-Jun-22	2458 Pylades			0	0	15	7.41	0.00	319.0	0.32	654.0		
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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2-May-22	2458 Pylades	0	0	0	0	9	7.29	0.03	310.0	0.32	700.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
9-May-22	2458 Pylades			0	0	10	7.55	0.03	325.0	0.33	667.0		
17-May-22	2458 Pylades			0	0	10	7.47	0.03	329.0	0.33	675.0		
24-May-22	2458 Pylades			0	0	12	7.56	0.00	332.0	0.33	681.0		
30-May-22	2458 Pylades			0	0	12	7.80	0.02	327.0	0.33	671.0		
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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4-Apr-22	2458 Pylades			0	0	9	7.85	0.01	341.0	0.36	699.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
11-Apr-22	2458 Pylades	0	0	0	0	10	7.71	0.01	337.0	0.34	690.0		
18-Apr-22	2458 Pylades			0	0	10	7.39	0.03	327.0	0.33	671.0		
26-Apr-22	2458 Pylades			0	0	10	7.28	0.03	319.0	0.32	657.0		
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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7-Mar-22	2458 Pylades	0	0	0	0	6	7.96	0.04	343.0	0.34	704.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
15-Mar-22	2458 Pylades			0	0	8	7.76	0.03	340.0	0.34	697.0		
21-Dec-22	2458 Pylades			0	0	7	7.82	0.00	343.0	0.34	704.0		
28-Mar-22	2458 Pylades			0	0	9	7.78	0.00	341.0	0.34	699.0		
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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7-Feb-22	2458 Pylades	0	0	0	0	6	7.65	0.03	359.0	0.36	734.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
14-Feb-22	2458 Pylades			0	0	7	7.40	0.03	350.0	0.35	715.0		
23-Feb-22	2458 Pylades			0	0	6	7.72	0.00	354.0	0.35	725.0		
28-Feb-22	2458 Pylades			0	0	n/a	7.48	0.00	336.0	0.34	690.0		
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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4-Jan-22	2458 Pylades			0	0	7	7.57	0.04	379.0	0.38	769.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
11-Jan-22	2458 Pylades			0	0	5	7.44	0.01	350.0	0.35	716.0		
18-Jan-22	2458 Pylades			0	0	8	6.83	0.04	354.0	0.36	724.0		
24-Jan-22	2458 Pylades	0	0	0	0	8	7.53	0.05	359.0	0.36	737.0		
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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Green font indicates a value flagged for operational consideration

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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.