

Regional District of Nanaimo - Water Services Department

Decourcey Water Analysis - 2021 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)
1-Jun-21	2458 Pylades			0	0	14	7.27	0.04	377.0	0.38	770.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
8-Jun-21	2458 Pylades			0	0	14	7.24	0.03	386.0	0.38	790.0		
15-Jun-21	2458 Pylades	0	0	0	0	15	7.24	0.06	387.0	0.39	793.0		
22-Jun-21	2458 Pylades			0	0		7.23	0.05	393.0	0.39	804.0		
28-Jun-21	2458 Pylades			0	0	18	7.13	0.08	325.0	0.32	669.0		
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-May-21	2458 Pylades			0	0	11	7.33	0.04	364.0	0.36	746.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
11-May-21	2458 Pylades	0	0	0	0	12	6.89	0.03	354.0	0.35	728.0		
18-May-21	2458 Pylades			0	0	12	7.13	0.03	369.0	0.37	756.0		
25-May-21	2458 Pylades			0	0		7.17	0.04	375.0	0.37	768.0		
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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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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7-Apr-21	2458 Pylades			0	0	7	7.50	0.08	360.0	0.36	738.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
13-Apr-21	2458 Pylades	0	0	0	0	9	7.43	0.04	356.0	0.36	728.0		
20-Apr-21	2458 Pylades			0	0	10	7.44	0.06	360.0	0.36	749.0		
26-Apr-21	2458 Pylades			0	0	11	7.40	0.06	361.0	0.36	741.0		
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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1-Mar-21	2458 Pylades	0	0	0	0	5	7.24	0.03	361.0	0.36	739.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
9-Mar-21	2458 Pylades			0	0	5	7.33	0.03	361.0	0.36	740.0		
16-Mar-21	2458 Pylades			0	0	7	6.99	0.03	350.0	0.35	720.0		
23-Mar-21	2458 Pylades			0	0	7	6.86	0.03	340.0	0.34	694.0		
29-Mar-21	2458 Pylades			0	0	7	7.42	0.02	355.0	0.36	727.0		
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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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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2-Feb-21	2458 Pylades			0	0	7	7.26	0.03	371.0	0.37	758.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
8-Feb-21	2458 Pylades			0	0		7.52		363.0	0.36	743.0		
16-Feb-21	2458 Pylades	0	0	0	0		7.19	0.02	356.0	0.37	751.0		
23-Feb-21	2458 Pylades			0	0	5	7.01	0.03	339.0	0.36	733.0		
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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5-Jan-21	2458 Pylades	0	0	0	0	6	7.56	0.04	383.0	0.38	782.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
12-Jan-21	2458 Pylades	0	0	0	0	6	7.10	0.06	382.0	0.38	784.0		
19-Jan-21	2458 Pylades			0	0	8	7.12	0.02	377.0	0.38	772.0		
26-Jan-21	2458 Pylades			0	0	8	7.34	0.03	380.0	0.38	778.0		
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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