



Regional District of Nanaimo - Water Services Department

Decourcey Water Analysis - 2023 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)	Turbidity (NTU)	Total Iron (mg/L)	Manganese (mg/L)
5-Sep-23	2458 Pylades			0	0	20	7.64	0.00	400.0	0.40	817.0	0.53	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
11-Sep-23	2458 Pylades	0	0	0	0	18	7.63	0.01	397.0	0.40	807.0	0.32		
18-Sep-23	2458 Pylades			0	0		7.66	0.03	400.0	0.40	818.0	0.34		
26-Sep-23	2458 Pylades			0	0	17	7.62	0.03	401.0	0.40	818.0	0.29		
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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9-Aug-23	2458 Pylades			0	0	n/a	7.62	0.06	n/a	n/a	n/a	0.41	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
16-Aug-23	2458 Pylades			0	0	19	7.74	0.03	n/a	n/a	n/a	0.36		
21-Aug-23	2458 Pylades			0	0	20	7.78	0.03	n/a	n/a	n/a	0.43		
28-Aug-23	2458 Pylades			0	0	19	7.70	0.04	404.0	0.40	824.0	0.31		
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-Jul-23	2458 Pylades	0	0	0	0	18	7.63	0.01	358.0	0.36	733.0	0.37	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
10-Jul-23	2458 Pylades			0	0	18	7.61	0.02	365.0	0.37	748.0	0.40		
17-Jul-23	2458 Pylades			0	0	19	7.64	0.06	370.0	0.37	758.0	0.35		
24-Jul-23	2458 Pylades			0	0	19	7.63	0.02				0.38		
31-Jul-23	2458 Pylades			0	0	20	7.67	0.02				0.55		
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-Jun-23	2458 Pylades	0	0	0	0	16	7.16	0.02	329.00	0.33	675.0	0.45	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
12-Jun-23	2458 Pylades			0	0	17	7.05	0.02	347.0	0.35	711.0	0.66		
20-Jun-23	2458 Pylades			0	0	n/a	n/a	n/a	346.0	0.34	709.0	n/a		
26-Jun-23	2458 Pylades			0	0	16	7.20	0.02	327.0	0.33	673.0	0.43		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1	0.3	0.02 AO 0.12 MAC

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1-May-23	2458 Pylades	0	0	0	0	10	7.52	0.02	313.0	0.31	645.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
8-May-23	2458 Pylades			0	0	10	7.45	0.02	310.0	0.31	636.0		
16-May-23	2458 Pylades			0	0	14	7.82	0.02	305.0	0.30	627.0		
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-23	2458 Pylades	0	0	0	0	8	7.45	0.02	357.0	0.36	732.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
12-Apr-23	2458 Pylades			0	0	9.5	7.45	0.00	339.0	0.34	696.0		
18-Apr-23	2458 Pylades			0	0	9	7.52	0.03	305.0	0.30	625.0		
24-Apr-23	2458 Pylades			0	0		7.47	0.00	309.0	0.31	636.0		
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8-Mar-23	2458 Pylades	0	0	0	0	5.5	7.48	0.00	368.0	0.37	752.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
14-Mar-23	2458 Pylades			0	0	7	7.43	0.03	366.0	0.37	750.0		
21-Mar-23	2458 Pylades			0	0	8	7.62	0.02	361.0	0.36	740.0		
29-Mar-23	2458 Pylades			0	0	8	7.45	0.02	359.0	0.36	735.0		
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-23	2458 Pylades	0	0	0	0	8	7.00	0.03	374.0	0.37	765.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
15-Feb-23	2458 Pylades			0	0	6.5	7.12	0.01	368.0	0.37	752.0		
21-Feb-23	2458 Pylades			0	0		6.90	0.02	364.0	0.36	745.0		
28-Feb-23	2458 Pylades			0	0	7	7.62	0.00	348.0	0.35	712.0		
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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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

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3-Jan-23	2458 Pylades	0	0	0	0	6	7.00	0.02	381.0	0.38	775.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/decourcey	
9-Jan-23	2458 Pylades			0	0	8	7.49	0.02	348.0	0.39	787.0		
17-Jan-23	2458 Pylades			0	0	7	7.54	0.03	380.0	0.38	777.0		
23-Jan-23	2458 Pylades			0	0	6	7.61	0.03	400.0	0.40	817.0		
30-Jan-23	2458 Pylades			0	0	8	7.40	0.03	377.0	0.38	770.0		
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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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.