

Regional District of Nanaimo - Water Services Department

Decourcey Water Analysis - 2019 Monthly Report

Date	Sample Location (Address)	Health Department		In-House									
		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-Oct-19	2458 Pylades			0	0		7.10	0.03	348.0	0.35	714.0	0.01	0.003
8-Oct-19	2458 Pylades			0	0	14	7.34	0.01	352.0	0.35	722.0		
15-Oct-19	2458 Pylades			0	0	13	7.12	0.05	346.0	0.35	708.0		
	Average	#DIV/0!	#DIV/0!	0	0	13.5	7.2	0.03	348.7	0.35	714.7		
	Maximum	0	0	0	0	14	7.34	0.05	352.0	0.35	722.0		
	Minimum	0	0	0	0	13	7.1	0.01	346.0	0.35	708.0		

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

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4-Sep-19	2458 Pylades	0	0	0	0	17	7.52	0.04	353.0	0.35	723.0	0.03	0.002
10-Sep-19	2458 Pylades			0	0	16	7.65	0.02	347.0	0.35	714.0		
17-Sep-19	2458 Pylades			0	0	17	7.69	0.02	356.0	0.36	729.0		
24-Sep-19	2458 Pylades			0	0	16	7.55	0.03	352.0	0.35	722.0		
	Average	0	0	0	0	16.5	7.6	0.03	352.0	0.35	722.0	0.03	0.002
	Maximum	0	0	0	0	17	7.69	0.04	356.0	0.36	729.0	0.03	0.002
	Minimum	0	0	0	0	16	7.52	0.02	347.0	0.35	714.0	0.03	0.002

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6-Aug-19	2458 Pylades	0	0	0	0	18	7.64	0.02	374.0	0.37	765.0	0.03	0.032
12-Aug-19	2458 Pylades			0	0	18	7.75	0.02	370.0	0.37	757.0		
20-Aug-19	2458 Pylades			0	0	17	7.81	0.04	370.0	0.37	756.0		
26-Aug-19	2458 Pylades			0	0	16	7.48	0.04	324.0	0.33	659.0		
	Average	0	0	0	0	17.3	7.7	0.03	359.5	0.36	734.3	0.03	0.032
	Maximum	0	0	0	0	18	7.81	0.04	374.0	0.37	765.0	0.03	0.032
	Minimum	0	0	0	0	16	7.48	0.02	324.0	0.33	659.0	0.03	0.032

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2-Jul-19	2458 Pylades	0	0	0	2	17	7.59	0.02	373.0	0.37	764.0	0.02	0.003
3-Jul-19	2458 Pylades			0	0								
8-Jul-19	2458 Pylades			0	0	16	7.46	0.05	359.0	0.36	737.0		
15-Jul-19	2458 Pylades	0	0	0	0	18	7.69	0.00	368.0	0.37	752.0		
22-Jul-19	2458 Pylades			0	0	18	7.86	0.01	394.0	0.39	806.0		
29-Jul-19	2458 Pylades			0	0	18	7.45	0.02	371.0	0.37	761.0		
Average		0	0	0	0.33	17.4	7.6	0.02	373.0	0.37	764.0	0.02	0.003
Maximum		0	0	0	2	18	7.86	0.05	394.0	0.39	806.0	0.02	0.003
Minimum		0	0	0	0	16	7.45	0.00	359.0	0.36	737.0	0.02	0.003

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4-Jun-19	2458 Pylades	0	0	0	0	14	7.51	0.02	364.0	0.36	744.0	0.01	0.001
11-Jun-19	2458 Pylades			0	0	14	7.50	0.03	359.0	0.36	720.0		
17-Jun-19	2458 Pylades			0	0	15	7.55	0.03	375.0	0.38	766.0		
24-Jun-19	2458 Pylades			0	0	15	7.48	0.03	371.0	0.37	760.0		
	Average	0	0	0	0	14.5	7.5	0.03	367.3	0.4	747.5	0.01	0.001
	Maximum	0	0	0	0	15	7.55	0.03	375	0.38	766	0.01	0.001
	Minimum	0	0	0	0	14	7.48	0.02	359	0.36	720	0.01	0.001

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2-May-19	2458 Pylades			0	0	9	7.38	0.02	301.0	0.30	620.0		
7-May-19	2458 Pylades			0	0		7.29	0.02	305.0	0.30	628.0	0.03	0.001
14-May-19	2458 Pylades	0	0	0	0	10	7.46	0.02	310.0	0.31	636.0		
22-May-19	2458 Pylades			0	0		7.39	0.09	334.0	0.33	684.0		
28-May-19	2458 Pylades			0	0	12	7.49	0.02	344.0	0.34	705.0		
	Average	0	0	0	0	10.3	7.4	0.03	318.8	0.32	654.6	0.03	0.001
	Maximum	0	0	0	0	12	7.49	0.09	344.0	0.34	705.0	0.03	0.001
	Minimum	0	0	0	0	9	7.29	0.02	301.0	0.3	620.0	0.03	0.001

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2-Apr-19	2458 Pylades	0	0	0	0	7	7.54	0.03	300.0	0.30	618.0	0.07	0.015
9-Apr-19	2458 Pylades			0	0	8	7.80	0.01	303.0	0.30	623.0		
16-Apr-19	2458 Pylades			0	0	8	7.77	0.02	311.0	0.31	630.0		
25-Apr-19	2458 Pylades			0	0	10	7.38	0.02	303.0	0.30	623.0		
	Average	0	0	0	0	8.3	7.6	0.02	304.3	0.30	623.5	0.07	0.015
	Maximum	0	0	0	0	10	7.8	0.03	311.0	0.31	630.0	0.07	0.015
	Minimum	0	0	0	0	7	7.38	0.01	300.0	0.30	618.0	0.07	0.015

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4-Mar-19	2458 Pylades			0	1	4	7.50	0.02	318.0	0.32	652.0	0.00	0.016
6-Mar-19	2458 Pylades Re			0	1								
12-Mar-19	2458 Pylades	0	0	0	0	4	7.77	0.05	289.0	0.29	596.0		
19-Mar-19	2458 Pylades	0	0	0	0	4	7.63	0.03	291.0	0.29	599.0		
25-Mar-19	2458 Pylades			0	0	7	7.88	0.02	289.0	0.29	595.0		
	Average	0	0.0	0	0.4	4.8	7.7	0.03	296.8	0.30	610.5	0.00	0.016
	Maximum	0	0	0	1	7	7.88	0.05	318.0	0.32	652.0	0.00	0.016
	Minimum	0	0	0	0	4	7.5	0.02	289.0	0.29	595.0	0.00	0.016

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5-Feb-19	2458 Pylades			0	0	5	7.65	0.02	341.0	0.34	699.0	0.01	0.025
12-Feb-19	2458 Pylades	0	0	0	0	5	7.61	0.02	339.0	0.35	715.0		
20-Feb-19	2458 Pylades			0	0	7	7.75	0.00	358.0	0.36	737.0		
26-Feb-19	2458 Pylades			0	1		7.31	0.01	313.0	0.30	645.0		
28-Feb-19	2458 Pylades. RE			0	0		7.44	0.03	308.0	0.31	632.0		
	Average	0	0	0	0.20	5.7	7.6	0.02	331.8	0.33	685.6	0.01	0.025
	Maximum	0	0	0	1	7	7.75	0.03	358.0	0.36	737.0	0.01	0.025
	Minimum	0	0	0	0	5	7.31	0	308.0	0.3	632.0	0.01	0.025

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8-Jan-19	2458 Pylades	0	0	0	0	6	7.46	0.01	343.0	0.35	700.0	0.00	0.021
15-Jan-19	2458 Pylades			0	0	6	7.40	0.01	338.0	0.34	693.0		
22-Jan-19	2458 Pylades			0	0	5	7.25	0.01	341.0	0.34	703.0		
29-Jan-19	2458 Pylades			0	0	5	7.65	0.02	341.0	0.34	699.0		
	Average	0	0	0	0	6	7.4	0.01	340.8	0.34	698.8	0.00	0.021
	Maximum	0	0	0	0	6	7.65	0.02	343.0	0.35	703.0	0.00	0.021
	Minimum	0	0	0	0	5	7.25	0.01	338.0	0.34	693.0	0.00	0.021

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