



Regional District of Nanaimo - Water Services Department

Decourcey Water Analysis - 2017 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)
5-Dec-17	2458 Pylades			0	0	9	7.40	0.02	368.0	0.37	750.0		
11-Dec-17	2458 Pylades			0	0	8	7.40	0.01	365.0	0.37	750.0	0.02	0.005
18-Dec-17	2458 Pylades	0	0	0	0		7.43	0.02	367.0	0.37	752.0		
	Average	0	0	0	0	8.5	7.4	0.02	366.7	0.37	750.7	0.02	0.005
	Maximum	0	0	0	0	9	7.43	0.02	368.0	0.37	752.0	0.02	0.005
	Minimum	0	0	0	0	8	7.4	0.01	365.0	0.37	750.0	0.02	0.005

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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7-Nov-17	2458 Pylades	0	0	0	1	10	7.35	0.03	382.0	0.38	781.0	0.01	0.000
14-Nov-17	2458 Pylades			0	1	9	7.46	0.00	378.0	0.38	773.0		
20-Nov-17	2458 Pylades			0	0	9	7.52	0.04	379.0	0.38	777.0		
28-Nov-17	2458 Pylades			0	0	8	7.23	0.02	382.0	0.38	778.0		
	Average	0	0	0	1	9.0	7.4	0.02	380.3	0.4	777.3	0.01	0.000
	Maximum	0	0	0	1	10	7.52	0.04	382.0	0.38	781.0	0.01	0.000
	Minimum	0	0	0	0	8	7.23	0	378.0	0.38	773.0	0.01	0.000

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Total coliforms can be an indicator of adverse water quality if the result in the resample is positive (US Environmental Protection Agency). RDN water samples are always tested for E.coli coliform bacteria at the same time as total coliforms to rule out the presence of harmful pathogens. If background bacteria (BG), total or E.coli bacteria are detected location is resampled. If the bacteria test is overgrown (OG) location is also resampled.



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2-Oct-17	2458 Pylades	0	0	0	0	16	7.37	0.02	390.0	0.39	797.0	0.01	0.009
10-Oct-17	2458 Pylades			0	3	14	7.29	0.01	383.0	0.38	787.0		
17-Oct-17	2458 Pylades			0	0	13	7.52	0.02	386.0	0.39	787.0		
23-Oct-17	2458 Pylades			0	1	12	7.60	0.02	385.0	0.39	781.0		
	Average	0	0	0	1	13.8	7.4	0.02	386.0	0.39	788.0	0.01	0.009
	Maximum	0	0	0	3	16	7.6	0.02	390.0	0.39	797.0	0.01	0.009
	Minimum	0	0	0	0	12	7.29	0.01	383.0	0.38	781.0	0.01	0.009

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5-Sep-17	2458 Pylades			0	0	17	7.36	0.02	392.0	0.39	802.0	0.03	0.003
12-Sep-17	2458 Pylades	0	0	0	0	16	7.47	0.04	393.0	0.39	802.0		
19-Sep-17	2458 Pylades			0	0	17	7.31	0.02	391.0	0.39	799.0		
26-Sep-17	2458 Pylades			0	0	n/a	7.25	0.00	382.0	0.38	782.0		
	Average	0	0	0	0	16.7	7.3	0.02	389.5	0.39	796.3	0.03	0.003
	Maximum	0	0	0	0	17	7.47	0.04	393.0	0.39	802.0	0.03	0.003
	Minimum	0	0	0	0	16	7.25	0.00	382.0	0.38	782.0	0.03	0.003

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9-Aug-17	2458 Pylades			0	0	16	7.38	0.02	366.0	0.37	747.0		
14-Aug-17	2458 Pylades	0	0	0	0	18	7.51	0.01	376.0	0.38	768.0		
21-Aug-17	2458 Pylades			0	0	18	7.56	0.02	384.0	0.38	786.0		
29-Aug-17	2458 Pylades					18	7.56	0.01	388.0	0.39	795.0		
	Average	0	0	0	0	17.5	7.5	0.02	378.5	0.4	774.0	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	18	7.56	0.02	388	0.39	795	0	0
	Minimum	0	0	0	0	16	7.38	0.01	366	0.37	747	0	0

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5-Jul-17	2458 Pylades			0	0		7.42		311.0	0.31	639.0	0.02	0.001
10-Jul-17	2458 Pylades	0	0	0	0	16.5	7.34	0.06	320.0	0.32	657.0		
18-Jul-17	2458 Pylades			0	0	14	7.25	0.04	330.0	0.33	678.0		
24-Jul-17	2458 Pylades			0	0	17	7.30	0.00	340.0	0.34	698.0		
31-Jul-17	2458 Pylades			0	0	17	7.56	0.02	356.0	0.36	730.0	0.03	0.009
	Average	0	0	0	0	16.1	7.4	0.03	331.4	0.3	680.4	0.03	0.005
	Maximum	0	0	0	0	17	7.56	0.06	356	0.36	730	0.03	0.009
	Minimum	0	0	0	0	14	7.25	0	311	0.31	639	0.02	0.001

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6-Jun-17	2458 Pylades						7.38	0.01	294.0	0.29	607.0		
13-Jun-17	2458 Pylades	0	0				7.32	0.02	294.0	0.29	606.0	0.01	0.000
20-Jun-17	2458 Pylades						7.39		300.0	0.30	618.0		
27-Jun-17	2458 Pylades					15	7.30	0.01	300.0	0.30	616.0		
	Average	0	0	#DIV/0!	#DIV/0!	15.0	7.3	0.01	297.0	0.3	611.8	0.01	0.000
	Maximum	0	0	0	0	15	7.39	0.02	300	0.3	618	0.01	0.000
	Minimum	0	0	0	0	15	7.3	0.01	294	0.29	606	0.01	0.000

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2-May-17	2458 Pylades	0	0			10	7.37		170.3	0.17	580.0		
8-May-17	2458 Pylades			0	0	12	7.34	0.02	281.0	0.28	578.0	0.02	0.003
17-May-17	2458 Pylades			0	1		7.36	0.02	278.0	0.28	577.0		
23-May-17	2458 Pylades			0	0	12	7.29	0.07	278.0	0.28	572.0		
	Average	0	0	0	0.33	11.3	7.3	0.04	251.8	0.25	576.8	0.02	0.003
	Maximum	0	0	0	1	12	7.37	0.07	281.0	0.28	580.0	0.02	0.003
	Minimum	0	0	0	0	10	7.29	0.02	170.3	0.17	572.0	0.02	0.003

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4-Apr-17	2458 Pylades	0	0			8	7.36	0.02	298.0	0.30	612.0	0.04	0.000
11-Apr-17	2458 Pylades			0	0	8	7.38	0.02	298.0	0.30	613.0		
18-Apr-17	2458 Pylades			0	0	9	7.16	0.02	291.0	0.29	600.0		
24-Apr-17	2458 Pylades			0	0	10	7.36	0.01	286.0	0.28	592.0		
	Average	0	0	0	0	8.8	7.3	0.02	293.3	0.29	604.3	0.04	0.000
	Maximum	0	0	0	0	10	7.38	0.02	298.0	0.30	613.0	0.04	0.000
	Minimum	0	0	0	0	8	7.16	0.01	286.0	0.28	592.0	0.04	0.000

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6-Mar-17	2458 Pylades	0	0	0	0	5	7.26	0.03	304.0	0.30	629.0	0.01	0.016
13-Mar-17	2458 Pylades			0	0	5	7.23	0.02	309.0	0.31	637.0		
20-Mar-17	2458 Pylades			0	0	6	7.17	0.02	295.0	0.29	609.0		
27-Mar-17	2458 Pylades			0	0	7	7.42	0.02	301.0	0.30	618.0		
	Average	0	0	0	0	5.8	7.3	0.02	302.3	0.3	623.3	0.01	0.016
	Maximum	0	0	0	0	7	7.42	0.03	309	0.31	637	0.01	0.016
	Minimum	0	0	0	0	5	7.17	0.02	295	0.29	609	0.01	0.016

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7-Feb-17	2458 Pylades	0	0	0	0	3.5	7.26	0.03	315.0	0.31	646.0		
14-Feb-17	2458 Pylades	0	0	0	0	5	7.33	0.03	315.0	0.31	648.0	0.01	0.008
20-Feb-17	2458 Pylades			0	1	4	7.26	0.01	336.0	0.34	687.0		
27-Feb-17	2458 Pylades			0	0	4	7.13	0.00	304.0	0.30	624.0		
	Average	0	0	0	0.25	4.1	7.2	0.02	317.5	0.3	651.3	0.01	0.008
	Maximum	0	0	0	1	5	7.33	0.03	336	0.34	687	0.01	0.008
	Minimum	0	0	0	0	3.5	7.13	0	304	0.3	624	0.01	0.008

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3-Jan-17	2458 Pylades	0	0	0	0	5	7.54	0.00	339.0	0.33	697.0	0.00	0.021
9-Jan-17	2458 Pylades			0	0	2	7.32	0.01	323.0	0.32	664.0		
16-Jan-17	2458 Pylades			0	0	2	7.36	0.01	319.0	0.32	655.0		
23-Jan-17	2458 Pylades			0	0	2	7.34	0.01	315.0	0.31	650.0		
30-Jan-17	2458 Pylades			0	0	2	7.35	0.02	315.0	0.32	647.0		
	Average	0	0	0	0	3	7.4	0.01	322.2	0.3	662.6	0.00	0.021
	Maximum	0	0	0	0	5	7.54	0.02	339.0	0.33	697.0	0.00	0.021
	Minimum	0	0	0	0	2	7.32	0.00	315.0	0.31	647.0	0.00	0.021

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