



Regional District of Nanaimo - Water Services Department

Decourcey Water Analysis - 2012 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)
3-Jan-12	2458 Pylades			0	0	5	7.27	0.03	363.0	0.36	743.0	0.06	0.008
9-Jan-12	2458 Pylades	0	0	0	0	6	7.31	0.02	363.0	0.36	744.0		
16-Jan-12	2458 Pylades			0	0	5	6.76	0.00	340.0	0.34	501.0		
23-Jan-12	2458 Pylades			0	0	4	7.07	0.01	346.0	0.35	711.0		
30-Jan-12	2458 Pylades			0	0	4	7.37	0.00	351.0	0.35	595.0		
	Average	0	0	0	0	4.8	7.2	0.01	352.6	0.4	658.8	0.06	0.008
	Maximum	0	0	0	0	6	7.37	0.03	363	0.36	744	0.06	0.008
	Minimum	0	0	0	0	4	6.76	0	340	0.34	501	0.06	0.008

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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6-Feb-12	2458 Pylades			0	0	5	7.00	0.02	349.0	0.35	710.0	0.04	0.013
14-Feb-12	2458 Pylades			0	0	5	7.02	0.01	353.0	0.36	724.0		
20-Feb-12	2458 Pylades	0	0	0	0	5	7.57	0.02	349.0	0.35	717.0		
27-Feb-12	2458 Pylades			0	0	5	7.65	0.02	341.0	0.34	698.0		
	Average	0	0	0	0	5.0	7.3	0.02	348.0	0.4	712.3	0.04	0.013
	Maximum	0	0	0	0	5	7.65	0.02	353	0.36	724	0.04	0.013
	Minimum	0	0	0	0	5	7	0.01	341	0.34	698	0.04	0.013

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6-Mar-12	2458 Pylades			0	0	7	6.85	0.05	329.0	0.33	545.0		
12-Mar-12	2458 Pylades			0	0	6	7.38	0.02	335.0	0.34	685.0		
19-Mar-12	2458 Pylades	0	0	0	0	6	7.33	0.01	332.0	0.33	682.0	0.04	0.006
26-Mar-12	2458 Pylades			0	0	6	7.76	0.01	330.0	0.33	678.0		
	Average	0	0	0	0	6.3	7.3	0.02	331.5	0.3	647.5	0.04	0.006
	Maximum	0	0	0	0	7	7.76	0.05	335	0.34	685	0.04	0.006
	Minimum	0	0	0	0	6	6.85	0.01	329	0.33	545	0.04	0.006

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2-Apr-12	2458 Pylades			0	0	8	7.12	0.00	321.0	0.32	537.0	0.06	0.015
10-Apr-12	2458 Pylades			0	0	8	7.30	0.02	322.0	0.32	661.0		
16-Apr-12	2459 Pylades			0	0	9	7.11	0.01	317.0	0.32	538.0		
23-Apr-12	2460 Pylades	0	0	0	0	10	7.16	0.06	309.0	0.31	632.0		
30-Apr-12	2461 Pylades			0	0	10	7.31	0.02	341.0	0.32	544.0	0.05	0.013
	Average	0	0	0	0	9.0	7.2	0.02	322.0	0.3	582.4	0.06	0.014
	Maximum	0	0	0	0	10	7.31	0.06	341	0.32	661	0.06	0.015
	Minimum	0	0	0	0	8	7.11	0	309	0.31	537	0.05	0.013

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8-May-12	2458 Pylades	0	0	0	0	11	7.10	0.02	311.0	0.31	563.0		
14-May-12	2458 Pylades			0	0	12	7.37	0.00	313.0	0.31	643.0		
22-May-12	2458 Pylades			0	0	12	7.16	0.02	315.0	0.31	646.0		
	Average	0	0	0	0	11.7	7.2	0.01	313.0	0.3	617.3	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	12	7.37	0.02	315	0.31	646	0	0
	Minimum	0	0	0	0	11	7.1	0	311	0.31	563	0	0

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4-Jun-12	2458 Pylades			0	0	13	7.18	0.01	336.0	0.34	689.0	0.04	0.001
11-Jun-12	2458 Pylades	0	0	0	0	14	7.15	0.01	345.0	0.34	707.0		
18-Jun-12	2458 Pylades			0	0	13	7.32	0.00	359.0	0.36	735.0		
25-Jun-12	2458 Pylades			0	0	15	7.20	0.00	368.0	0.37	753.0		
	Average	0	0	0	0	13.8	7.2	0.01	352.0	0.4	721.0	0.04	0.001
	Maximum	0	0	0	0	15	7.32	0.01	368	0.37	753	0.04	0.001
	Minimum	0	0	0	0	13	7.15	0.00	336	0.34	689	0.04	0.001

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9-Jul-12	2458 Pylades			0	0	16	7.29	0.00	383.0	0.38	784.0	0.03	0.034
16-Jul-12	2458 Pylades	0	0	0	0	16	7.17	0.02	384.0	0.38	786.0		
23-Jul-12	2458 Pylades			0	0	17	7.18	0.00	390.0	0.39	797.0		
30-Jul-12	2458 Pylades			0	0	16	7.13	0.03	384.0	0.38	784.0		
	Average	0	0	0	0	16.3	7.2	0.01	385.3	0.4	787.8	0.03	0.034
	Maximum	0	0	0	0	17	7.29	0.03	390	0.39	797	0.03	0.034
	Minimum	0	0	0	0	16	7.13	0	383	0.38	784	0.03	0.034

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7-Aug-12	2458 Pylades	0	0	0	0	17	7.19	0.02	297.0	0.30	611.0	0.03	0.048
13-Aug-12	2458 Pylades			0	0	17	7.00	0.02	374.0	0.37	764.0		
20-Aug-12	2458 Pylades			0	0	17	7.04	0.10	367.0	0.37	750.0		
27-Aug-12	2458 Pylades			0	0	18	7.22	0.03	362.0	0.36	740.0		
	Average	0	0	0	0	17.3	7.1	0.04	350.0	0.4	716.3	0.03	0.048
	Maximum	0	0	0	0	18	7.22	0.1	374	0.37	764	0.03	0.048
	Minimum	0	0	0	0	17	7	0.02	297	0.3	611	0.03	0.048

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4-Sep-12	2458 Pylades	0	0	0	OG	17	7.28	0.03	360.0	0.36	737.0	0.02	0.006
10-Sep-12	2458 Pylades			0	0	15	7.29	0.05	352.0	0.35	728.0		
17-Sep-12	2458 Pylades			0	5	16	7.25	0.02	351.0	0.35	718.0		
24-Sep-12	2458 Pylades			0	0		7.93	0.04	355.0	0.35	726.0		
	Average	0	0	0	1.67	16.0	7.4	0.04	354.5	0.4	727.3	0.02	0.006
	Maximum	0	0	0	5	17	7.93	0.05	360	0.36	737	0.02	0.006
	Minimum	0	0	0	0	15	7.25	0.02	351	0.35	718	0.02	0.006

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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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1-Oct-12	2458 Pylades	0	0	0	0	14	7.33	0.02	355.0	0.35	727.0	0.02	0.006
15-Oct-12	2458 Pylades			0	0		7.33		359.0	0.36	735.0		
22-Oct-12	2458 Pylades			0	0	12	7.21	0.00	362.0	0.36	741.0		
	Average	0	0	0	0	13.0	7.3	0.01	358.7	0.4	734.3	0.02	0.006
	Maximum	0	0	0	0	14	7.33	0.02	362	0.36	741	0.02	0.006
	Minimum	0	0	0	0	12	7.21	0	355	0.35	727	0.02	0.006

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13-Nov-12	2458 Pylades	0	0	0	0		7.25		361.0	0.36	740.0	0.03	0.015
19-Nov-12	2458 Pylades			0	0	10	7.22	0.03	354.0	0.35	725.0		
26-Nov-12	2458 Pylades			0	0	8	7.29	0.04	363.0	0.36	744.0		
	Average	0	0	0	0	9.0	7.3	0.04	359.3	0.4	736.3	0.03	0.015
	Maximum	0	0	0	0	10	7.29	0.04	363	0.36	744	0.03	0.015
	Minimum	0	0	0	0	8	7.22	0.03	354	0.35	725	0.03	0.015

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4-Dec-12	2458 Pylades			0	0	8	7.25	0.02	359.0	0.36	733.0	0.02	0.000
10-Dec-12	2458 Pylades	0	0	0	0	7	7.35	0.02	363.0	0.36	742.0		
18-Dec-12	2458 Pylades			0	0		7.18		357.0	0.36	729.0		
	Average	0	0	0	0	7.5	7.3	0.02	359.7	0.4	734.7	0.02	0
	Maximum	0	0	0	0	8	7.35	0.02	363	0.36	742	0.02	0
	Minimum	0	0	0	0	7	7.18	0.02	357	0.36	729	0.02	0

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