



Regional District of Nanaimo - Utilities Department

Westbay Water Analysis - Monthly Report

Date	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
04-Jan	2315 Ida Lane	0	0	0	0	9	7.0	1.30	169	0.2	358	0.07	0.112
10-Jan	2450 Nanoose Rd			0	0	8	7.0	0.14	169	0.2	358		
17-Jan	2315 Ida Lane			0	0	9	7.2	0.12	169	0.2	358		
23-Jan	2450 Nanoose Rd			0	0	9	6.9	0.11	169	0.2	357		
30-Jan	2315 Ida Lane			0	0	9	7.2	0.12	171	0.2	361		
	Average	0	0	0	0	8.8	7.1	0.36	169.4	0.2	358.4	0.07	0.112
	Maximum	0	0	0	0	9	7.2	1.3	171	0.2	361	0.07	0.112
	Minimum	0	0	0	0	8	6.9	0.11	169	0.2	357	0.07	0.112

Red font indicates non-compliance with Canadian Drinking Water Guidelines / BC Approved Water Quality Guidelines

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

* Yellow Column Coliform tests are done by Health Department

Green tests are completed by RDN

Comments:

Not all bacteria test results are returned from Health Department therefore some data may be missing.

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



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Feb-06													
07-Feb	2315 Ida Lane	0	0	0	0	9	7.1	0.05	171	0.2	359	0.07	0.126
14-Feb	2450 Nanoose Rd			0	0	9	7.1	0.11	170	0.2	363		
21-Feb	2315 Ida Lane			0	0	8	6.7	0.08	172	0.2	366		
28-Feb	2450 Nanoose Rd			0	0	8	7.1	0.12	173	0.2	364		
	Average	0	0	0	0	8.5	7.0	0.09	171.5	0.2	363.0	0.07	0.126
	Maximum	0	0	0	0	9	7.1	0.12	173	0.2	366	0.07	0.126
	Minimum	0	0	0	0	8	6.7	0.05	170	0.2	359	0.07	0.126

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07-Mar	2315 Ida Ln	0	0	0	0	8	6.9	0.08	171	0.2	364	0.06	0.115
14-Mar	2450 Nanoose Rd			0	0	9	7.2	0.16	185	0.2	389		
21-Mar	2315 Ida Ln			0	0	9	7.2	0.06	187	0.2	394		
28-Mar	2450 Nanoose Rd			0	0	9	7.2	0.12	170	0.2	359		
Average		0	0	0	0	8.8	7.1	0.11	178.3	0.2	376.5	0.06	0.115
Maximum		0	0	0	0	9	7.2	0.16	187	0.2	394	0.06	0.115
Minimum		0	0	0	0	8	6.9	0.06	170	0.2	359	0.06	0.115

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Date Apr-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
04-Apr	2315 Ida Lane			0	0	9	7.1	0.07	170	0.2	358	0.06	0.122
11-Apr	2450 Nanoose			0	0	10	7.1	0.09	169	0.2	356		
19-Apr	2315 Ida Lane			0	0	10	7.3	0.07	170	0.2	358		
25-Apr	2450 Nanoose			0	0	11	7.0	0.08	168	0.2	355		
Average		#DIV/0!	#DIV/0!	0	0	10.0	7.1	0.08	169.3	0.2	356.8	0.06	0.122
Maximum		0	0	0	0	11	7.3	0.09	170	0.2	358	0.06	0.122
Minimum		0	0	0	0	9	7	0.07	168	0.2	355	0.06	0.122

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Date May-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
02-May	2315 Ida Lane	0	0	0	0	11	7.2	0.07	169	0.2	356	0.06	0.119
09-May	2450 Nanoose Rd			0	0	11	7.2	0.23	167	0.2	350		
16-May	2315 Ida Lane			0	0	13	6.9	0.11	168	0.2	352		
23-May	2450 Nanoose Rd			0	0	12	7.0	0.20	166	0.2	349		
30-May	2315 Ida Lane			0	0	16	7.0	0.08	170	0.2	355		
	Average	0	0	0	0	12.6	7.1	0.14	168.0	0.2	352.4	0.06	0.119
	Maximum	0	0	0	0	16	7.2	0.23	170	0.2	356	0.06	0.119
	Minimum	0	0	0	0	11	6.9	0.07	166	0.2	349	0.06	0.119

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06-Jun	2315 Ida Lane	0	0	0	0	15	6.8	0.07	168	0.2	352	0.08	0.103
13-Jun	2450 Nanoose Rd			0	0	12	6.8	0.25	167	0.2	351		
20-Jun	2315 Ida Lane			0	0	15	7.0	0.20	164	0.2	344		
27-Jun	2450 Nanoose Rd			0	0	13	6.9	0.22	166	0.2	348		
	Average	0	0	0	0	13.8	6.9	0.19	166.3	0.2	348.8	0.08	0.103
	Maximum	0	0	0	0	15	7	0.25	168	0.2	352	0.08	0.103
	Minimum	0	0	0	0	12	6.8	0.07	164	0.2	344	0.08	0.103

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Date Jul-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
05-Jul	2315 Ida Ln	0	0	0	0	16	7.0	0.14	166	0.2	347	0.12	0.138
11-Jul	2450 Nanoose			0	0	13	7.0	0.12	164	0.2	345		
18-Jul	2315 Ida Ln			0	0	19	7.0	0.08	169	0.2	355		
25-Jul	2450 Nanoose			0	0	12	7.0	0.09	161	0.2	338		
Average		0	0	0	0	15.0	7.0	0.11	165.0	0.2	346.3	0.12	0.138
Maximum		0	0	0	0	19	7	0.14	169	0.2	355	0.12	0.138
Minimum		0	0	0	0	12	7	0.08	161	0.2	338	0.12	0.138

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Date Aug-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond u/cm	Fe ppm	Mn ppm
01-Aug	2315 Ida Lane	0	0			18	7.0	0.10	170	0.2	358		
09-Aug	2450 Nanoose			0	0	13	7.0	0.12	164	0.2	345	0.59	0.245
15-Aug	2315 Ida Lane			0	0	18	7.0	0.11	167	0.2	351		
22-Aug	2450 Nanoose			0	0	12	6.9	0.20	173	0.2	362		
29-Aug	2315 Ida Lane			0	0	18	7.0	0.08	175	0.2	366		
	Average	0	0	0	0	15.8	7.0	0.12	169.8	0.2	356.4	0.59	0.245
	Maximum	0	0	0	0	18	7	0.2	175	0.2	366	0.59	0.245
	Minimum	0	0	0	0	12	6.9	0.08	164	0.2	345	0.59	0.245

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Date Oct-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
03-Oct	2315 Ida Lane	0	0	0	0	16	6.9	0.12	175	0.2	367	0.06	0.133
11-Oct	2450 Nanoose Rd			0	0	11	7.1	0.37	170	0.2	357		
17-Oct	2315 Ida Lane			0	0	15	7.1	0.05	172	0.2	361		
	Average	0	0	0	0	14.0	7.0	0.18	172.3	0.2	361.7	0.06	0.133
	Maximum	0	0	0	0	16	7.1	0.37	175	0.2	367	0.06	0.133
	Minimum	0	0	0	0	11	6.9	0.05	170	0.2	357	0.06	0.133

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09-Nov	2315 Ida Lane	0	0	0	0	13	7.0	0.13	167	0.2	352	0.04	0.099
15-Nov	2450 Nanoose			0	0	10	7.3	0.22	164	0.2	345		
21-Nov	2315 Ida Lane			0	0	12	7.3	0.14	167	0.2	352		
	Average	0	0	0	0	11.7	7.2	0.16	166.0	0.2	349.7	0.04	0.099
	Maximum	0	0	0	0	13	7.3	0.22	167	0.2	352	0.04	0.099
	Minimum	0	0	0	0	10	7	0.13	164	0.2	345	0.04	0.099

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Date Dec-06	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
05-Dec	2315 Ida Ln	0	0	0	0	10	7.4	0.09	168	0.2	355	0.05	0.096
12-Dec	2450 Nanoose			0	0	7	7.3	0.11	163	0.2	344		
19-Dec	2315 Ida Ln			0	0	9	7.1	0.08	160	0.2	339		
	Average	0	0	0	0	8.7	7.3	0.09	163.7	0.2	346.0	0.05	0.096
	Maximum	0	0	0	0	10	7.4	0.11	168	0.2	355	0.05	0.096
	Minimum	0	0	0	0	7	7.1	0.08	160	0.2	339	0.05	0.096

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06-Sep	2315 Ida Ln	0	0	1	0	16	7.0	0.09	172	0.2	361	0.11	0.168
12-Sep	2450 Nanoose			0	0	13	7.0	0.15	169	0.2	355		
19-Sep	2315 Ida Ln			0	0	17	7.0	0.04	173	0.2	364		
26-Sep	2450 Nanoose			0	0	13	7.0	0.17	171	0.2	359		
	Average	0	0	0.25	0	14.8	7.0	0.11	171.3	0.2	359.8	0.11	0.168
	Maximum	0	0	1	0	17	7	0.17	173	0.2	364	0.11	0.168
	Minimum	0	0	0	0	13	7	0.04	169	0.2	355	0.11	0.168

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