



# Regional District of Nanaimo - Utilities Department

## Madrona 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 <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
Jan-08													
08-Jan	1358 Madrona Dr	0	0	0	0	8	7.1	0.02	160	0.2	337	0.01	0.008
15-Jan	1819 NW Bay Rd	0	0	0	0	8	7.4	0.02	143	0.1	308		
22-Jan	1566 Arbutus Dr	0	0			7	7.1	0.02	143	0.1	311		
	<b>Average</b>	0	0	0	0	7.7	7.2	0.02	148.7	0.1	318.7	0.01	0.008
	<b>Maximum</b>	0	0	0	0	8	7.4	0.02	160	0.2	337	0.01	0.008
	<b>Minimum</b>	0	0	0	0	7	7.1	0.02	143	0.1	308	0.01	0.008

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-08													
05-Feb	1819 NW Bay Rd	0	0	0	0	8	7.4	0.05	143	0.1	308	0.01	0.007
12-Feb	1358 Madrona Dr	0	0	0	0	7	7.2	0.03	156	0.2	333		
20-Feb	1566 Arbutus Dr	0	0	0	0	8	6.9	0.05	166	0.2	352		
26-Feb	1819 NW Bay Rd			0	0	9	7.3	0.06	149	0.1	316		
	<b>Average</b>	0	0	0	0	8.0	7.2	0.05	153.5	0.2	327.3	0.01	0.007
	<b>Maximum</b>	0	0	0	0	9	7.4	0.06	166	0.2	352	0.01	0.007
	<b>Minimum</b>	0	0	0	0	7	6.9	0.03	143	0.1	308	0.01	0.007

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04-Mar	1566 Arbutus Dr	0	0	0	0	8	7	0.23	132	0.1	279	0.04	0.009
12-Mar	1819 NW Bay Rd	0	0	0	0	10	6.9	0.21	140	0.1	294		
18-Mar	1358 Madrona Dr	0	0	0	0	9	7	0.04	151	0.2	321		
26-Mar	1819 NW Bay Rd					9	7	0.05	135	0.1	290		
<b>Average</b>		0	0	0	0	9.0	7.0	0.13	139.5	0.1	296.0	0.04	0.009
<b>Maximum</b>		0	0	0	0	10	7	0.23	151	0.2	321	0.04	0.009
<b>Minimum</b>		0	0	0	0	8	6.9	0.04	132	0.1	279	0.04	0.009

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Apr-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
02-Apr	1819 NW Bay Rd	0	0	0	0	10	6.9	0.9	134	0.1	284	0.02	
08-Apr	1566 Arbutus Dr	0	0	0	0	9	7	0.03	140	0.1	299		
15-Apr	1358 Madrona Dr	0	0	0	0	10	6.9	0.04	150	0.1	317		0.013
22-Apr	1819 NW Bay Rd			0	0	10	7	0.99	141	0.1	298		
	<b>Average</b>	0	0	0	0	9.8	7.0	0.49	141.3	0.1	299.5	0.02	0.013
	<b>Maximum</b>	0	0	0	0	10	7	0.99	150	0.1	317	0.02	0.013
	<b>Minimum</b>	0	0	0	0	9	6.9	0.03	134	0.1	284	0.02	0.013

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date May-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
06-May	1819 NW Bay Rd	0	0	0	0	11	7.3	0.09	149	0.1	314	0.02	0.011
21-May	1566 Arbutus Dr	0	0	0	0	12	6.8	0.06	156	0.2	327		
27-May	1358 Madrona Dr	0	0	0	0	13	6.9	0.09	150	0.1	315		
	<b>Average</b>	0	0	0	0	12.0	7.0	0.08	151.7	0.1	318.7	0.02	0.011
	<b>Maximum</b>	0	0	0	0	13	7.3	0.09	156	0.2	327	0.02	0.011
	<b>Minimum</b>	0	0	0	0	11	6.8	0.06	149	0.1	314	0.02	0.011

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Jun-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
04-Jun	1819 NW Bay Rd	0	0	0	0	12	7.1	0.08	144	0.1	303	0.01	0.012
11-Jun	1566 Arbutus Dr	0	0	0	0	14	6.7	0.06	61	0.1	128		
17-Jun	1358 Madrona Dr	0	0	0	0	14	6.7	0.03	54	0.1	115		
24-Jun	1819 NW Bay Rd			0	0	13	7.1	0.03	140	0.1	293		
	<b>Average</b>	0	0	0	0	13.3	6.9	0.05	99.8	0.1	209.8	0.01	0.012
	<b>Maximum</b>	0	0	0	0	14	7.1	0.08	144	0.1	303	0.01	0.012
	<b>Minimum</b>	0	0	0	0	12	6.7	0.03	54	0.1	115	0.01	0.012

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## Madrona Water Analysis - Monthly Report



Date Jul-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
02-Jul	1819 NW Bay Rd	0	0										
09-Jul	1566 Arbutus Dr	0	0	0	0	16	6.7	0.05	56	0.1	119	0.13	0.024
15-Jul	1358 Madrona Dr	0	0	0	0	17	6.8	0.04	64	0.1	135		
22-Jul	1819 NW Bay Rd			0	0	14	6.9	0.06	143	0.1	298	0.02	0.015
29-Jul	1566 Arbutus Dr			0	0	18	6.7	0.03	72	0.1	151	0.04	0.015
	<b>Average</b>	0	0	0	0	16.3	6.8	0.05	83.8	0.1	175.8	0.06	0.018
	<b>Maximum</b>	0	0	0	0	18	6.9	0.06	143	0.1	298	0.13	0.024
	<b>Minimum</b>	0	0	0	0	14	6.7	0.03	56	0.1	119	0.02	0.015

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Aug-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
06-Aug	1819 NW Bay Rd	0	0	0	0	13	7	0.08	146	0.1	307	0.02	0
12-Aug	1358 Madrona Dr	0	0	0	0	18	6.7	0.03	71	0.1	149	0.02	0.012
19-Aug	1566 Arbutus	0	0	0	0	19	6.6	0.11	60	0.1	127.9	0.03	0.001
26-Aug	1819 NW Bay Rd			0	0	15	7	0.01	149	0.1	313		0.008
	<b>Average</b>	0	0	0	0	16.3	6.8	0.06	106.5	0.1	224.2	0.02	0.0053
	<b>Maximum</b>	0	0	0	0	19	7	0.11	149	0.1	313	0.03	0.012
	<b>Minimum</b>	0	0	0	0	13	6.6	0.01	60	0.1	127.9	0.02	0

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Sep-08	1358 Madrona	0	0										
03-Sep	1358 Madrona	0	0										
09-Sep	1819 NW Bay	0	0										
16-Sep	1566 Arbutus	0	0	0	0	16	6.6	0.09	43	0	91	0.14	0.021
	<b>Average</b>	0	0	0	0	16.0	6.6	0.09	43.0	0.0	91.0	0.14	0.021
	<b>Maximum</b>	0	0	0	0	16	6.6	0.09	43	0	91	0.14	0.021
	<b>Minimum</b>	0	0	0	0	16	6.6	0.09	43	0	91	0.14	0.021

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Date Oct-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
07-Oct	1819 NW Bay Rd	0	0	0	0	14	7.1	0.04	149	0.1	314	0.03	0.017
15-Oct	1358 Madrona Dr	0	0	0	0	12	6.9	0.05	93	0.1	196		
21-Oct	1566 Arbutus Dr	0	0	0	0	13	7	0.16	121	0.1	256		
29-Oct	1819 NW Bay Rd			0	0	12	7	0.51	150	0.1	315		
	<b>Average</b>	0	0	0	0	12.8	7.0	0.19	128.3	0.1	270.3	0.03	0.017
	<b>Maximum</b>	0	0	0	0	14	7.1	0.51	150	0.1	315	0.03	0.017
	<b>Minimum</b>	0	0	0	0	12	6.9	0.04	93	0.1	196	0.03	0.017

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Date Nov-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
04-Nov	1819 NW Bay Rd	0	0	0	0	11	7.3	0.22	150	0.1	317	0.01	0.007
12-Nov	1566 Arbutus Dr	0	0	0	0	12	7.1	0.05	155	0.2	327		
18-Nov	1358 Madrona Dr	0	0	0	0	12	6.8	0.07	161	0.2	339		
25-Nov	1819 NW Bay Rd			0	0	10	7.2	0.14	148	0.1	313		
	<b>Average</b>	0	0	0	0	11.3	7.1	0.12	153.5	0.2	324.0	0.01	0.007
	<b>Maximum</b>	0	0	0	0	12	7.3	0.22	161	0.2	339	0.01	0.007
	<b>Minimum</b>	0	0	0	0	10	6.8	0.05	148	0.1	313	0.01	0.007

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Date Dec-08	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
02-Dec	1819 NW Bay Rd	0	0	0	0	10	7	0.17	149	0.1	315	0.02	0.011
09-Dec	1566 Arbutus Dr	0	0	0	0	10	6.8	0.09	163	0.2	344		
16-Dec	1358 Madrona Dr	0	0										
	<b>Average</b>	0	0	0	0	10.0	6.9	0.13	156.0	0.2	329.5	0.02	0.011
	<b>Maximum</b>	0	0	0	0	10	7	0.17	163	0.2	344	0.02	0.011
	<b>Minimum</b>	0	0	0	0	10	6.8	0.09	149	0.1	315	0.02	0.011

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