



# 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
04-Jan	1566 Arbutus	0	0	0	0	8	6.8	0.08	168	0.2	356	0.06	0.02
10-Jan	1358 Madrona	0	0	0	0	9	7.2	0.02	158	0.2	334		
17-Jan	1819 NW Bay Rd	0	0	0	0	8	7.4	0.05	151	0.1	320		
23-Jan	1566 Arbutus			0	0	8	7.0	0.05	154	0.2	326		
31-Jan	1819 NW Bay Rd			0	0	8	7.7	0.04	151	0.1	318		
	<b>Average</b>	0	0	0	0	8.2	7.2	0.05	156.4	0.2	330.8	0.06	0.02
	<b>Maximum</b>	0	0	0	0	9	7.7	0.08	168	0.2	356	0.06	0.02
	<b>Minimum</b>	0	0	0	0	8	6.8	0.02	151	0.1	318	0.06	0.02

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	1566 Arbutus	0	0	0	0	8	7.3	0.01	152	0.2	321	0.09	0.029
14-Feb	1819 NW Bay Rd	0	0	0	0	8	7.2	0.05	145	0.1	309		
21-Feb	1358 Madrona Dr	0	0	0	0	7	7.3	0.03	153	0.2	327		
28-Feb	1566 Arbutus			0	0	8	7.1	0.14	168	0.2	355		
	<b>Average</b>	0	0	0	0	7.8	7.2	0.06	154.5	0.2	328.0	0.09	0.029
	<b>Maximum</b>	0	0	0	0	8	7.3	0.14	168	0.2	355	0.09	0.029
	<b>Minimum</b>	0	0	0	0	7	7.1	0.01	145	0.1	309	0.09	0.029

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07-Mar	1819 NW Bay Rd	0	0	0	0	8	7.2	0.04	151	0.2	321	0.08	0.017
14-Mar	1566 Arbutus	0	0	0	0	7	7.3	0.02	157	0.2	333		
21-Mar	1358 Madrona Dr	0	0	0	0	8	7.4	0.02	168	0.2	358		
28-Mar	1819 NW Bay Rd			0	0	9	7.3	0.02	152	0.2	321		
	<b>Average</b>	0	0	0	0	8.0	7.3	0.03	157.0	0.2	333.3	0.08	0.017
	<b>Maximum</b>	0	0	0	0	9	7.4	0.04	168	0.2	358	0.08	0.017
	<b>Minimum</b>	0	0	0	0	7	7.2	0.02	151	0.2	321	0.08	0.017

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Apr-06	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-Apr	1566 Arbutus	0	0	0	0	9	7.5	0.04	157	0.2	331	0.07	0.037
11-Apr	1358 Madrona	0	0	0	0	10	7.2	0.06	156	0.2	328		
19-Apr	1819 NW bay Rd	0	0	0	0	9	7.1	0.07	163	0.2	342		
25-Apr	1566 Arbutus			0	0	11	7.7	0.03	152	0.2	320		
	<b>Average</b>	0	0	0	0	9.8	7.4	0.05	157.0	0.2	330.3	0.07	0.037
	<b>Maximum</b>	0	0	0	0	11	7.7	0.07	163	0.2	342	0.07	0.037
	<b>Minimum</b>	0	0	0	0	9	7.1	0.03	152	0.2	320	0.07	0.037

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date May-06	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-May	1358 Madrona	0	0	0	0	11	7.6	0.03	157	0.2	330	0.06	0.025
09-May	1819 NW Bay	0	0	0	0	10	7.7	0.06	149	0.1	313		
16-May	1566 Arbutus	0	0	0	0	12	6.6	0.03	36	0	77		
23-May	1358 Madrona			0	0	13	6.7	0.04	32	0	67		
30-May	1819 NW Bay			0	0	12	6.7	0.08	27	0	57		
	<b>Average</b>	0	0	0	0	11.6	7.1	0.05	80.2	0.1	168.8	0.06	0.025
	<b>Maximum</b>	0	0	0	0	13	7.7	0.08	157	0.2	330	0.06	0.025
	<b>Minimum</b>	0	0	0	0	10	6.6	0.03	27	0	57	0.06	0.025

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May 16, water coming from Parksville and bulk water system.



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06-Jun	1566 Arbutus	0	0	0	0	14	6.6	0.02	27	0	56.6	0.21	0.029
13-Jun	1819 NW Bay	0	1	0	0	14	6.7	0.06	34	0	71		
20-Jun	1358 Madrona	0	0	0	0	15	6.9	0.02	32	0	67		
27-Jun	1566 Arbutus	0	0	0	0	16	6.7	0.06	34	0	71		
	<b>Average</b>	0	0.25	0	0	14.8	6.7	0.04	31.8	0.0	66.4	0.21	0.029
	<b>Maximum</b>	0	1	0	0	16	6.9	0.06	34	0	71	0.21	0.029
	<b>Minimum</b>	0	0	0	0	14	6.6	0.02	27	0	56.6	0.21	0.029

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Jul-06	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
05-Jul	1819 NW Bay Rd	0	0	0	0	18	6.8	0.22	37	0	78	0.07	0.005
11-Jul	1358 Madrona	0	0	0	0	17	6.8	0.09	41	0	86.2		
18-Jul	1566 Arbutus	0	0	0	0	18	6.8	0.12	39	0	83.5		
25-Jul	1819 NW Bay Rd			0	0	19	6.9	0.03	38	0	80		
	<b>Average</b>	0	0	0	0	18.0	6.8	0.12	38.8	0.0	81.9	0.07	0.005
	<b>Maximum</b>	0	0	0	0	19	6.9	0.22	41	0	86.2	0.07	0.005
	<b>Minimum</b>	0	0	0	0	17	6.8	0.03	37	0	78	0.07	0.005

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# Regional District of Nanaimo - Utilities Department

## Madrona Water Analysis - Monthly Report



Date Aug-06	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
01-Aug	1358 Madrona	0	0			18	6.9	0.03	44	0	92.6		
09-Aug	1566 Arbutus	0	0	0	0	18	6.8	0.06	43	0	89.1	0.12	0.018
15-Aug	1819 NW Bay	0	0	0	0	18	6.9	0.02	55	0.1	115.3		
22-Aug	1566 Arbutus			0	0	18	6.8	0.05	46	0	96.6		
29-Aug	1819 NW Bay			0	0	16	7.6	0.02	136	0.1	286		
	<b>Average</b>	0	0	0	0	17.6	7.0	0.04	64.8	0.0	135.9	0.12	0.018
	<b>Maximum</b>	0	0	0	0	18	7.6	0.06	136	0.1	286	0.12	0.018
	<b>Minimum</b>	0	0	0	0	16	6.8	0.02	43	0	89.1	0.12	0.018

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06-Sep	1819 NW Bay Rd	0	0	2	0	15	7.0	0.08	144	0.1	302	0.04	0.013
12-Sep	1566 Arbutus	0	0	0	0	17	6.7	0.02	53	0.1	111.4		
19-Sep	1358 Madrona	0	0	0	0	17	6.9	0.05	71	0.1	149		
26-Sep	1819 NW Bay Rd			0	0	16	7.0	0.02	72	0.1	151		
	<b>Average</b>	0	0	0.5	0	16.3	6.9	0.04	85.0	0.1	178.4	0.04	0.013
	<b>Maximum</b>	0	0	2	0	17	7	0.08	144	0.1	302	0.04	0.013
	<b>Minimum</b>	0	0	0	0	15	6.7	0.02	53	0.1	111.4	0.04	0.013

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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 <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
03-Oct	1819 NW Bay Rd	0	0	0	0	16	6.7	0.02	63	0.1	132	0.07	0.015
11-Oct	1566 Arbutus	0	0	0	0	14	6.9	0.14	62	0.1	130		
17-Oct	1358 Madrona	0	0	0	0	15	6.9	0.08	65	0.1	138		
	<b>Average</b>	0	0	0	0	15.0	6.8	0.08	63.3	0.1	133.3	0.07	0.015
	<b>Maximum</b>	0	0	0	0	16	6.9	0.14	65	0.1	138	0.07	0.015
	<b>Minimum</b>	0	0	0	0	14	6.7	0.02	62	0.1	130	0.07	0.015

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07-Nov	1819 NW Bay Rd	0	0	0	0	11	7.1	0.06	149	0.1	314	0.04	0.006
15-Nov	1358 Madrona	0	0	0	0	12	7.5	0.02	133	0.1	282		
21-Nov	1566 Arbutus	0	0	0	0	11	7.0	0.15	165	0.2	348		
	<b>Average</b>	0	0	0	0	11.3	7.2	0.08	149.0	0.1	314.7	0.04	0.006
	<b>Maximum</b>	0	0	0	0	12	7.5	0.15	165	0.2	348	0.04	0.006
	<b>Minimum</b>	0	0	0	0	11	7	0.02	133	0.1	282	0.04	0.006

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05-Dec	1819 NW Bay Rd	0	0	0	0	9	7.7	0.04	152	0.2	324	0.01	0.008
15-Dec	1358 Madrona	0	0	0	0	9	7.5	0.02	155	0.2	328		
19-Dec	1566 Arbutus	0	0	0	0	7	6.9	0.14	163	0.2	345		
	<b>Average</b>	0	0	0	0	8.3	7.4	0.07	156.7	0.2	332.3	0.01	0.008
	<b>Maximum</b>	0	0	0	0	9	7.7	0.14	163	0.2	345	0.01	0.008
	<b>Minimum</b>	0	0	0	0	7	6.9	0.02	152	0.2	324	0.01	0.008

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