



# Regional District of Nanaimo - Utilities Department

## Arbutus 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	2329 Chain	0	0	0	0	8	7.1	0.12	171	0.2	362	0.18	0.136
10-Jan	2832 Powder Pt	0	0	0	0	9	7.1	0.16	169	0.2	357		
17-Jan	2940 Fairwinds	0	0	0	0	8	7.2	0.21	171	0.2	360		
23-Jan	2329 Chain			0	0	7	6.9	0.09	172	0.2	362		
31-Jan	2832 Powder Pt			0	0	8	7.2	0.19	170	0.2	358		
	<b>Average</b>	0	0	0	0	8.0	7.1	0.15	170.6	0.2	359.8	0.18	0.136
	<b>Maximum</b>	0	0	0	0	9	7.2	0.21	172	0.2	362	0.18	0.136
	<b>Minimum</b>	0	0	0	0	7	6.9	0.09	169	0.2	357	0.18	0.136

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	2832 Powder Pt	0	0	0	0	9	7.0	0.18	184	0.2	387	0.55	0.259
14-Feb	2329 Chain	0	0	0	0	7	7.2	0.08	170	0.2	364		
21-Feb	2940 Arbutus	0	0	0	0	7	6.9	0.11	170	0.2	358		
28-Feb	2832 Powder Pt			0	0	8	7.1	0.14	168	0.2	355		
	<b>Average</b>	0	0	0	0	7.8	7.1	0.13	173.0	0.2	366.0	0.55	0.259
	<b>Maximum</b>	0	0	0	0	9	7.2	0.18	184	0.2	387	0.55	0.259
	<b>Minimum</b>	0	0	0	0	7	6.9	0.08	168	0.2	355	0.55	0.259

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07-Mar	2940 Fairwinds	0	0	0	0	9	6.9	0.12	172	0.2	364	0.24	0.149
14-Mar	2832 Powder Pt	0	0	0	0	8	7.4	0.16	183	0.2	386		
21-Mar	2329 Chain Way	0	0	0	0	7	7.2	0.06	181	0.2	380		
28-Mar	2940 Fairwinds			0	0	10	7.2	0.06	170	0.2	357		
<b>Average</b>		0	0	0	0	8.5	7.2	0.10	176.5	0.2	371.8	0.24	0.149
<b>Maximum</b>		0	0	0	0	10	7.4	0.16	183	0.2	386	0.24	0.149
<b>Minimum</b>		0	0	0	0	7	6.9	0.06	170	0.2	357	0.24	0.149

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## Arbutus 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	2832 Powder Pt	0	0	0	0	9	7.1	0.05	159	0.2	334	0.56	0.263
11-Apr	2329 Chain Way	0	0	0	0	9	7.1	0.09	171	0.2	360		
19-Apr	2832 Powder Pt			0	0	10	7.3	0.12	169	0.2	354		
25-Apr	2940 Fairwinds	0	0	0	0	11	7.1	0.06	168	0.2	356		
	<b>Average</b>	0	0	0	0	9.8	7.2	0.08	166.8	0.2	351.0	0.56	0.263
	<b>Maximum</b>	0	0	0	0	11	7.3	0.12	171	0.2	360	0.56	0.263
	<b>Minimum</b>	0	0	0	0	9	7.1	0.05	159	0.2	334	0.56	0.263

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# Regional District of Nanaimo - Utilities Department

## Arbutus 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	2329 Chain Way	0	0	0	0	11	7.2	0.07	168	0.2	351	0.25	0.207
09-May	2832 Powder Pt	0	0	0	0	11	7.1	0.20	167	0.2	350		
16-May	2940 Fairwinds	0	0	0	0	13	6.9	0.13	167	0.2	350		
23-May	2329 Chain Way			0	0	12	7.0	0.11	167	0.2	352		
30-May	2832 Powder Pt			0	0	12	6.8	0.21	167	0.2	355		
<b>Average</b>		0	0	0	0	11.8	7.0	0.14	167.2	0.2	351.6	0.25	0.207
<b>Maximum</b>		0	0	0	0	13	7.2	0.21	168	0.2	355	0.25	0.207
<b>Minimum</b>		0	0	0	0	11	6.8	0.07	167	0.2	350	0.25	0.207

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06-Jun	2940 Fairwinds	0	0	0	0	11	6.9	0.14	167	0.2	351	0.56	0.245
13-Jun	2832 Powder Pt	0	0	0	0	11	6.9	0.25	167	0.2	351		
20-Jun	2329 Chain	0	0	0	0	11	6.8	0.26	167	0.2	350		
27-Jun	2940 Fairwinds			0	0	12	6.9	0.35	167	0.2	350		
	<b>Average</b>	0	0	0	0	11.3	6.9	0.25	167.0	0.2	350.5	0.56	0.245
	<b>Maximum</b>	0	0	0	0	12	6.9	0.35	167	0.2	351	0.56	0.245
	<b>Minimum</b>	0	0	0	0	11	6.8	0.14	167	0.2	350	0.56	0.245

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## Arbutus 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	2832 Powder Pt	0	0	0	0	13	7.0	0.29	167	0.2	350	0.59	0.248
11-Jul	2329 Chain	0	0	0	0	19	7.1	0.08	160	0.2	337		
18-Jul	2940 Fairwinds	0	0	0	0	15	6.9	0.11	168	0.2	352		
25-Jul	2832 Powder Pt			0	0	12	7.0	0.16	161	0.2	338		
	<b>Average</b>	0	0	0	0	14.8	7.0	0.16	164.0	0.2	344.3	0.59	0.248
	<b>Maximum</b>	0	0	0	0	19	7.1	0.29	168	0.2	352	0.59	0.248
	<b>Minimum</b>	0	0	0	0	12	6.9	0.08	160	0.2	337	0.59	0.248

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## Arbutus 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	2329 Chain Way	0	0			12	7.0	0.14	171	0.2	359		
09-Aug	2940 Fairwinds	0	0	0	0	16	7.0	0.07	168	0.2	350	0.1	0.159
15-Aug	2832 Powder Pt	0	0	0	0	12	7.0	0.02	152	0.1	318		
22-Aug	2329 Chain Way			0	0	12	6.9	0.25	174	0.2	363		
29-Aug	2832 Powder Pt			0	0	12	7.0	0.19	172	0.2	360		
	<b>Average</b>	0	0	0	0	12.8	7.0	0.13	167.4	0.2	350.0	0.10	0.159
	<b>Maximum</b>	0	0	0	0	16	7	0.25	174	0.2	363	0.1	0.159
	<b>Minimum</b>	0	0	0	0	12	6.9	0.02	152	0.1	318	0.1	0.159

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06-Sep	2832 Powder Pt	0	0	0	0	12	7.0	0.33	172	0.2	361	0.59	0.191
12-Sep	2329 Chain Way	0	0	0	0	14	7.0	0.07	171	0.2	357		
19-Sep	2940 Fairwinds	0	0	0	0	14	6.9	0.09	170	0.2	356		
26-Sep	2832 Powder Pt			0	0	13	7.0	0.18	172	0.2	360		
	<b>Average</b>	0	0	0	0	13.3	7.0	0.17	171.3	0.2	358.5	0.59	0.191
	<b>Maximum</b>	0	0	0	0	14	7	0.33	172	0.2	361	0.59	0.191
	<b>Minimum</b>	0	0	0	0	12	6.9	0.07	170	0.2	356	0.59	0.191

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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	2940 Fairwinds	0	0	0	0	12	6.9	0.23	173	0.2	365	0.58	0.175
11-Oct	2329 Chain	0	0	0	0	11	6.9	0.07	172	0.2	361		
17-Oct	2832 Arbutus	0	0	0	0	11	7.0	0.18	168	0.2	352		
24-Oct	2832 Powder Pt	0	0										
	<b>Average</b>	0	0	0	0	11.3	6.9	0.16	171.0	0.2	359.3	0.58	0.175
	<b>Maximum</b>	0	0	0	0	12	7	0.23	173	0.2	365	0.58	0.175
	<b>Minimum</b>	0	0	0	0	11	6.9	0.07	168	0.2	352	0.58	0.175

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Date Nov-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
07-Nov	2832 Powder Pt	0	0	0	0	10	7.0	0.30	165	0.2	346	0.66	0.278
15-Nov	2329 Chain Way	0	0	1	0	9	7.3	0.08	169	0.2	356		
21-Nov	2940 Fairwinds	0	0	0	0	11	7.0	0.15	165	0.2	348		
	<b>Average</b>	0	0	0.33333333	0	10.0	7.1	0.18	166.3	0.2	350.0	0.66	0.278
	<b>Maximum</b>	0	0	1	0	11	7.3	0.3	169	0.2	356	0.66	0.278
	<b>Minimum</b>	0	0	0	0	9	7	0.08	165	0.2	346	0.66	0.278

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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 <sub>2</sub> ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
05-Dec	2940 Fairwinds	0	0	0	0	9	7.4	0.22	166	0.2	353	0.42	0.265
12-Dec	2832 Powder Pt	0	0	0	0	9	7.5	0.20	167	0.2	352		
19-Dec	2329 Chain Way	0	0	0	0	7	6.9	0.14	163	0.2	345		
								n/a					
								n/a					
								n/a					
								n/a					
								n/a					
								n/a					
								n/a					
								n/a					
	<b>Average</b>	0	0	0	0	8.3	7.3	0.19	165.3	0.2	350.0	0.42	0.265
	<b>Maximum</b>	0	0	0	0	9	7.5	0.22	167	0.2	353	0.42	0.265
	<b>Minimum</b>	0	0	0	0	7	6.9	0.14	163	0.2	345	0.42	0.265

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