



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 ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
08-Jan	2832 Powder Pt	0	0	0	0	8	7.1	0.1	165	0.2	346	0.5	0.237
15-Jan	2940 Fairwinds Dr	0	0	0	0	8	6.9	0.12	165	0.2	349		
22-Jan	2329 Chain Way	0	0			7	7	0.03	169	0.2	364		
	Average	0	0	0	0	7.7	7.0	0.08	166.3	0.2	353.0	0.50	0.237
	Maximum	0	0	0	0	8	7.1	0.12	169	0.2	364	0.5	0.237
	Minimum	0	0	0	0	7	6.9	0.03	165	0.2	346	0.5	0.237

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	2832 Powder Pt	0	0	0	0	8	6.9	0.16	166	0.2	356	0.56	0.238
12-Feb	2940 Fairwinds Dr	0	0	0	0	9	7	0.12	165	0.2	350		
20-Feb	2329 Chain Way	0	0	0	0	7	6.9	0.05	170	0.2	359		
26-Feb	2832 Powder Pt			0	0	8	7.1	0.12	166	0.2	350		
	Average	0	0	0	0	8.0	7.0	0.11	166.8	0.2	353.8	0.56	0.238
	Maximum	0	0	0	0	9	7.1	0.16	170	0.2	359	0.56	0.238
	Minimum	0	0	0	0	7	6.9	0.05	165	0.2	350	0.56	0.238

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04-Mar	2940 Fairwinds Dr	0	0	0	0	9	6.9	0.12	165	0.2	348	0.49	0.245
12-Mar	2832 Powder Pt	0	0	0	0	8	7	0.14	164	0.2	345		
18-Mar	2329 Chain Way	0	0	0	0	8	6.9	0.06	167	0.2	353		
26-Mar	2940 Fairwinds Dr					8	7	0.05	165	0.2	352		
Average		0	0	0	0	8.3	7.0	0.09	165.3	0.2	349.5	0.49	0.245
Maximum		0	0	0	0	9	7	0.14	167	0.2	353	0.49	0.245
Minimum		0	0	0	0	8	6.9	0.05	164	0.2	345	0.49	0.245

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Date Apr-08	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-Apr	2940 Fairwinds	0	0	0	0	9	6.9	0.05	165	0.2	350	0.2	
08-Apr	2832 Powder Pt	0	0	0	0	10	6.9	0.13	164	0.2	348		
15-Apr	2329 Chain Way	0	0	0	0	9	6.9	0.19	168	0.2	353		0.132
22-Apr	2940 Fairwinds			0	0	10	7	0.14	164	0.2	346		
	Average	0	0	0	0	9.5	6.9	0.13	165.3	0.2	349.3	0.20	0.132
	Maximum	0	0	0	0	10	7	0.19	168	0.2	353	0.2	0.132
	Minimum	0	0	0	0	9	6.9	0.05	164	0.2	346	0.2	0.132

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06-May	2940 Fairwinds Dr	0	0	0	0	11	7	0.2	164	0.2	345	0.56	0.127
21-May	2832 Powder Pt	0	0	0	0	12	6.9	0.13	165	0.2	346		
27-May	2329 Chain Way	0	0	0	0	13	6.9	0.04	163	0.2	341		
	Average	0	0	0	0	12.0	6.9	0.12	164.0	0.2	344.0	0.56	0.127
	Maximum	0	0	0	0	13	7	0.2	165	0.2	346	0.56	0.127
	Minimum	0	0	0	0	11	6.9	0.04	163	0.2	341	0.56	0.127

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04-Jun	2940 Fairwinds Dr	0	0	0	0	12	6.8	0.13	164	0.2	345	0.57	0.247
11-Jun	2832 Powder Pt	0	0	0	0	13	6.8	0.09	121	0.1	254		
17-Jun	2329 Chain Way	0	OG	0	0	13	6.7	0.05	139	0.1	290		
22-Jun	2329 Chain Way	0	0										
24-Jun	2940 Fairwinds Dr	0	0			13	6.8	0.05	132	0.1	278		
	Average	0	0	0	0	12.8	6.8	0.08	139.0	0.1	291.8	0.57	0.247
	Maximum	0	0	0	0	13	6.8	0.13	164	0.2	345	0.57	0.247
	Minimum	0	0	0	0	12	6.7	0.05	121	0.1	254	0.57	0.247

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02-Jul	2940 Fairwinds Dr	0	0										
09-Jul	2832 Powder Pt	0	0	0	0	14	6.7	0.18	133	0.1	280	0.42	0.195
15-Jul	2329 Chain Way	0	0	0	0	16	6.7	0.05	133	0.1	280		
22-Jul	2940 Fairwinds Dr			0	0	18	6.7	0.09	134	0.1	281	0.3	0.175
29-Jul	2832 Powder Pt			0	0	14	6.6	0.15	136	0.1	287	0.49	0.203
	Average	0	0	0	0	15.5	6.7	0.12	134.0	0.1	282.0	0.40	0.191
	Maximum	0	0	0	0	18	6.7	0.18	136	0.1	287	0.49	0.203
	Minimum	0	0	0	0	14	6.6	0.05	133	0.1	280	0.3	0.175

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Date Aug-08	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
06-Aug	2940 Fairwinds Dr	0	0	0	0	18	6.8	0.11	145	0.1	304	0.28	0.143
12-Aug	2329 Chain Way	0	0	0	0	16	6.7	0.02	137	0.1	288	0.4	0.21
19-Aug	2832 Powder Pt	0	0	0	0	14	6.7	0.1	137	0.1	289		0.2
26-Aug	2329 Chain Way					16	6.6	0.01	134	0.1	282		0.18
	Average	0	0	0	0	16.0	6.7	0.06	138.3	0.1	290.8	0.34	0.1833
	Maximum	0	0	0	0	18	6.8	0.11	145	0.1	304	0.4	0.21
	Minimum	0	0	0	0	14	6.6	0.01	134	0.1	282	0.28	0.143

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Date Sep-08	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-Sep	2832 Powder Pt	0	0										
09-Sep	2329 Chain	0	0										
16-Sep	2940 Fairwinds	0	0	0	0	16	6.7	0.05	133	0.1	279	0.28	0.127
	Average	0	0	0	0	16.0	6.7	0.05	133.0	0.1	279.0	0.28	0.127
	Maximum	0	0	0	0	16	6.7	0.05	133	0.1	279	0.28	0.127
	Minimum	0	0	0	0	16	6.7	0.05	133	0.1	279	0.28	0.127

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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 ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
07-Oct	2832 Powder Pt	0	0	0	0	12	6.8	0.16	132	0.1	278	0.42	0.18
15-Oct	2940 Fairwinds Dr	0	0	0	0	10	6.7	0.05	123	0.1	260		
21-Oct	2329 Chain Way	0	0	0	0	11	7	0.03	130	0.1	275		
29-Oct	2940 Fairwinds Dr			0	0	11	6.8	0.06	117	0.1	248		
	Average	0	0	0	0	11.0	6.8	0.08	125.5	0.1	265.3	0.42	0.18
	Maximum	0	0	0	0	12	7	0.16	132	0.1	278	0.42	0.18
	Minimum	0	0	0	0	10	6.7	0.03	117	0.1	248	0.42	0.18

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04-Nov	2940 Fairwinds Dr	0	0	0	0	11	7	0.06	160	0.2	338	0.54	0.237
12-Nov	2832 Powder Pt	0	0	0	0	13	7	0.09	165	0.2	347		
18-Nov	2329 Chain Way	0	0	0	0	10	6.8	0.06	157	0.2	330		
25-Nov	2940 Fairwinds Dr			0	0	9	6.7	0.12	170	0.2	360		
	Average	0	0	0	0	10.8	6.9	0.08	163.0	0.2	343.8	0.54	0.237
	Maximum	0	0	0	0	13	7	0.12	170	0.2	360	0.54	0.237
	Minimum	0	0	0	0	9	6.7	0.06	157	0.2	330	0.54	0.237

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02-Dec	2940 Fairwinds Dr	0	0	0	0	10	6.7	0.22	164	0.2	347	0.45	0.187
09-Dec	2832 Powder Pt	0	0	0	0	10	6.8	0.1116	0.2	346			
16-Dec	2329 Chain Way	0	0										
	Average	0	0	0	0	10.0	6.8	0.17	82.1	173.1	347.0	0.45	0.187
	Maximum	0	0	0	0	10	6.8	0.22	164	346	347	0.45	0.187
	Minimum	0	0	0	0	10	6.7	0.1116	0.2	0.2	347	0.45	0.187

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