



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
Jan-07													
03-Jan	2832 Powder Pt	0	0	0	0	8	7	0.41	161	0.2	340	0.45	0.289
09-Jan	2940 Fairwinds	0	0	0	0	9	6.9	0.18	159	0.2	335		
16-Jan	2329 Chain	0	0	0	0	6	6.9	0.09	160	0.2	340		
	Average	0	0	0	0	7.7	6.9	0.23	160.0	0.2	338.3	0.45	0.289
	Maximum	0	0	0	0	9	7	0.41	161	0.2	340	0.45	0.289
	Minimum	0	0	0	0	6	6.9	0.09	159	0.2	335	0.45	0.289

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-07													
06-Feb	2832 Powder Pt	0	0	0	0	8	7	0.17	156	0.2	334	0.43	0.169
13-Feb	2940 Fairwinds Dr	0	0	0	0	9	7	0.06	158	0.2	332		
20-Feb	2329 Chain Way	0	0	0	0	7	6.9	0.06	159	0.2	335		
27-Feb	2832 Powder Pt			0	0	8	7	0.3	150	0.1	316		
	Average	0	0	0	0	8.0	7.0	0.15	155.8	0.2	329.3	0.43	0.169
	Maximum	0	0	0	0	9	7	0.3	159	0.2	335	0.43	0.169
	Minimum	0	0	0	0	7	6.9	0.06	150	0.1	316	0.43	0.169

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06-Mar	2329 Chain Way	0	0				7.1	0.06	154	0.2	323	0.28	0.175
13-Mar	2832 Powder Pt	0	0	0	0	8	7.2	0.27	157	0.2	332		
20-Mar	2940 Fairwinds	0	0	0	0	9	7.2	0.31	156	0.2	330		
27-Mar	2329 Chain Way			0	0	8	7.3	0.07	159	0.2	335		
Average		0	0	0	0	8.3	7.2	0.18	156.5	0.2	330.0	0.28	0.175
Maximum		0	0	0	0	9	7.3	0.31	159	0.2	335	0.28	0.175
Minimum		0	0	0	0	8	7.1	0.06	154	0.2	323	0.28	0.175

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Date Apr-07	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-Apr	2832 Powder Pt	0	0	0	0	10	7.3	0.13	158	0.2	334	0.6	0.268
11-Apr	2940 Fairwinds	0	0	0	0	10	7.5	0.04	157	0.2	332		
17-Apr	2329 Chain Way	0	0	0	0		7.4	0.09	158	0.2	332		
24-Apr	2832 Powder Pt			0	0	10	7.3	0.22	156	0.2	328		
	Average	0	0	0	0	10.0	7.4	0.12	157.3	0.2	331.5	0.60	0.268
	Maximum	0	0	0	0	10	7.5	0.22	158	0.2	334	0.6	0.268
	Minimum	0	0	0	0	10	7.3	0.04	156	0.2	328	0.6	0.268

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01-May	2940 Fairwinds	0	0	0	0	12	7.4	0.06	159	0.2	335	0.04	0.049
08-May	2832 Powder Pt	0	0	0	0	11	7.2	0.32	157	0.2	332		
15-May	2329 Chain Way	0	0	0	0	11	7.4	0.18	158	0.2	331		
23-May	2940 Fairwinds			0	0	13	7.4	0.24	158	0.2	332		
29-May	2832 Powder Pt			0	0	11	7.5	0.15	168	0.2	352		
	Average	0	0	0	0	11.6	7.4	0.19	160.0	0.2	336.4	0.04	0.049
	Maximum	0	0	0	0	13	7.5	0.32	168	0.2	352	0.04	0.049
	Minimum	0	0	0	0	11	7.2	0.06	157	0.2	331	0.04	0.049

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05-Jun	2940 Fairwinds	0	0	0	0	11	7	0.11	167	0.2	350	0.58	0.242
12-Jun	2832 Powder Pt	0	0	0	0	11	6.8	0.14	168	0.2	352		
19-Jun	2329 Chain Way	0	0	0	0		7	0.02	168	0.2	352		
26-Jun	2832 Powder Pt			0	0		6.8	0.11	125	0.1	263		
	Average	0	0	0	0	11.0	6.9	0.10	157.0	0.2	329.3	0.58	0.242
	Maximum	0	0	0	0	11	7	0.14	168	0.2	352	0.58	0.242
	Minimum	0	0	0	0	11	6.8	0.02	125	0.1	263	0.58	0.242

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Date Jul-07	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-Jul	2832 Powder Pt	0	0	0	0	14	6.9	0.03	121	0.1	255	0.37	0.172
10-Jul	2940 Fairwinds Dr	0	0	0	0	18	6.9	0.1	126	0.1	265		
17-Jul	2329 Chain Way	0	0	0	0	15	6.8	0.06	127	0.1	266		
25-Jul	2832 Powder Pt			0	0	14	6.8	0.03	124	0.1	260		
Average		0	0	0	0	15.3	6.9	0.06	124.5	0.1	261.5	0.37	0.172
Maximum		0	0	0	0	18	6.9	0.1	127	0.1	266	0.37	0.172
Minimum		0	0	0	0	14	6.8	0.03	121	0.1	255	0.37	0.172

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Date Aug-07	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-Aug	2832 Powder Pt	0	0	0	0	14	7	0.05	126	0.1	265	0.42	0.184
14-Aug	2940 Fairwinds Dr	0	0	0	0	14	6.9	0.04	128	0.1	268		
21-Aug	2329 Chain Way	0	0	1	0		6.9	0.02	131	0.1	274		
23-Aug	2329 Chain Way			0	0								
28-Aug	2832 Powder Pt			0	0	15	6.9	0.1	126	0.1	264		
	Average	0	0	0.2	0	14.3	6.9	0.05	127.8	0.1	267.8	0.42	0.184
	Maximum	0	0	1	0	15	7	0.1	131	0.1	274	0.42	0.184
	Minimum	0	0	0	0	14	6.9	0.02	126	0.1	264	0.42	0.184

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05-Sep	2940 Fairwinds	0	0	0	0	15	6.9	0.07	137	0.1	288	0.27	0.131
11-Sep	2832 Powder Pt	0	0	0	0	13	6.9	0.21	132	0.1	278		
18-Sep	2329 Chain	0	0					0.44					
25-Sep	2832 Powder Pt	0	0	0	0	14	7.1	0.18	120	0.1	253		
	Average	0	0	0	0	14.0	7.0	0.23	129.7	0.1	273.0	0.27	0.131
	Maximum	0	0	0	0	15	7.1	0.44	137	0.1	288	0.27	0.131
	Minimum	0	0	0	0	13	6.9	0.07	120	0.1	253	0.27	0.131

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Date Oct-07	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-Oct	2940 Fairwinds Dr	0	0	0	0	13	7	0.07	131	0.1	276	0.17	0.065
10-Oct	2329 Chain Way	0	0	0	0	13	7.1	0.09	150	0.1	315		
16-Oct	2832 Powder Pt	0	0	0	0	12	7.3	0.13	167	0.2	351		
30-Oct	2940 Fairwinds Dr			0	0	9	7.2	0.12	165	0.2	347		
	Average	0	0	0	0	11.8	7.2	0.10	153.3	0.2	322.3	0.17	0.065
	Maximum	0	0	0	0	13	7.3	0.13	167	0.2	351	0.17	0.065
	Minimum	0	0	0	0	9	7	0.07	131	0.1	276	0.17	0.065

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06-Nov	2329 Chain Way	0	0	0	0	10	6.9	0.03	165	0.2	347	0.39	0.249
14-Nov	2832 Powder Pt	0	0	0	0	11	7	0.16	165	0.2	350		
20-Nov	2940 Fairwinds Dr	0	0	0	0	10	7	0.1	166	0.2	352		
27-Nov	2329 Chain Way			0	0	8	7	0.04	167	0.2	352		
	Average	0	0	0	0	9.8	7.0	0.08	165.8	0.2	350.3	0.39	0.249
	Maximum	0	0	0	0	11	7	0.16	167	0.2	352	0.39	0.249
	Minimum	0	0	0	0	8	6.9	0.03	165	0.2	347	0.39	0.249

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04-Dec	2832 Powder Pt	0	0	0	0	10	7	0.08	166	0.2	351	0.3	0.225
11-Dec	2940 Fairwinds Dr	0	0	0	0	8	7	0.16	166	0.2	352		
18-Dec	2329 Chain Way	0	0	0	0	7	7	0.06	167	0.2	357		
	Average	0	0	0	0	8.3	7.0	0.10	166.3	0.2	353.3	0.30	0.225
	Maximum	0	0	0	0	10	7	0.16	167	0.2	357	0.3	0.225
	Minimum	0	0	0	0	7	7	0.06	166	0.2	351	0.3	0.225

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