



Regional District of Nanaimo - Utilities Department

Fairwinds Water Analysis - Monthly Report

Date Jan-06	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-Jan	3465 Cambridge	0	0	0	0	8	7.1	0.36	172	0.2	364	1.08	0.458
10-Jan	3541 Shelby	0	0	0	0	8	7.1	0.31	170	0.2	359		
17-Jan	3500 Fairwinds	0	0	0	0	8	7.2	0.18	170	0.2	359		
23-Jan	3730 Fairwinds	0	0	0	0	8	6.9	0.05	171	0.2	363		
31-Jan	3393 Reden	0	0	0	0	7	7.2	0.16	173	0.2	365		
	Average	0	0	0	0	7.8	7.1	0.21	171.2	0.2	362.0	1.08	0.458
	Maximum	0	0	0	0	8	7.2	0.36	173	0.2	365	1.08	0.458
	Minimum	0	0	0	0	7	6.9	0.05	170	0.2	359	1.08	0.458

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	3541 Shelby Ln	0	0	0	0	8	7.0	0.29	174	0.2	366	1.03	0.436
14-Feb	3730 Fairwinds Dr	0	0	0	0	8	7.1	0.06	173	0.2	370		
21-Feb	3465 Cambridge	0	0	0	0	7	6.7	0.15	167	0.2	353		
28-Feb	3500 Fairwinds Dr	0	0	0	0	7	7.2	0.17	170	0.2	362		
	Average	0	0	0	0	7.5	7.0	0.17	171.0	0.2	362.8	1.03	0.436
	Maximum	0	0	0	0	8	7.2	0.29	174	0.2	370	1.03	0.436
	Minimum	0	0	0	0	7	6.7	0.06	167	0.2	353	1.03	0.436

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Mar-06													
07-Mar	3541 Shelby Ln	0	0	0	0	7	7.0	0.13	173	0.2	366	0.33	0.219
14-Mar	3465 Cambridge	0	0	0	0	8	7.3	0.27	186	0.2	387		
21-Mar	3500 Fairwinds Dr	0	0	0	0	8	7.2	0.14	186	0.2	392		
28-Mar	3393 Reden	0	0	0	0	9	7.1	0.05	186	0.2	392		
	Average	0	0	0	0	8.0	7.2	0.15	182.8	0.2	384.3	0.33	0.219
	Maximum	0	0	0	0	9	7.3	0.27	186	0.2	392	0.33	0.219
	Minimum	0	0	0	0	7	7	0.05	173	0.2	366	0.33	0.219

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Date Apr-06	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-Apr	3465 Cambridge	0	0	0	0	9	7.2	0.11	170	0.2	358	0.50	0.239
11-Apr	3541 Shelby	0	0	0	0	10	7.1	0.12	170	0.2	357		
19-Apr	3500 Fairwinds	0	0	0	0	9	7.3	0.11	169	0.2	356		
25-Apr	3730 Fairwinds	0	0	0	0	11	7.1	0.02	170	0.2	357		
	Average	0	0	0	0	9.8	7.2	0.09	169.8	0.2	357.0	0.50	0.239
	Maximum	0	0	0	0	11	7.3	0.12	170	0.2	358	0.5	0.239
	Minimum	0	0	0	0	9	7.1	0.02	169	0.2	356	0.5	0.239

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Date May-06	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-May	3393 Reden Road	0	0	0	0	12	7.1	0.08	170	0.2	356	0.03	0.074
09-May	3465 Cambridge	0	0	0	0	11	7.2	0.23	170	0.2	356		
16-May	3730 Fairwinds	0	0	0	0	15	6.9	0.06	169	0.2	354		
23-May	3541 Shelby Rd	0	0	0	0	13	7.0	0.09	169	0.2	354		
30-May	3500 Fairwinds	0	0	0	0	12	7.0	0.55	170	0.2	356		
	Average	0	0	0	0	12.6	7.0	0.20	169.6	0.2	355.2	0.03	0.074
	Maximum	0	0	0	0	15	7.2	0.55	170	0.2	356	0.03	0.074
	Minimum	0	0	0	0	11	6.9	0.06	169	0.2	354	0.03	0.074

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Fairwinds Water Analysis - Monthly Report



Date Jun-06	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-Jun	3465 Cambridge	0	0	0	0	13	6.8	0.20	169	0.2	354	0.55	0.276
13-Jun	3730 Fairwinds	0	0	0	0	12	6.9	0.05	167	0.2	351		
20-Jun	3393 Reden	0	0	0	0	16	7.0	0.10	165	0.2	347		
27-Jun	3500 Fairwinds	0	0	0	0	13	7.0	0.21	163	0.2	341		
	Average	0	0	0	0	13.5	6.9	0.14	166.0	0.2	348.3	0.55	0.276
	Maximum	0	0	0	0	16	7	0.21	169	0.2	354	0.55	0.276
	Minimum	0	0	0	0	12	6.8	0.05	163	0.2	341	0.55	0.276

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Date Jul-06	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
05-Jul	3500 Fairwinds Dr	0	0	0	0	13	7.1	0.26	168	0.2	351	0.5	0.214
11-Jul	3541 Shelby	0	0	0	0	17	7.1	0.05	156	0.2	327		
18-Jul	3393 Reden	0	0	0	0	19	6.9	0.05	168	0.2	353	0.02	0.214
25-Jul	3730 Fairwinds	0	0	0	0	20	6.9	0.03	172	0.2	359		
	Average	0	0	0	0	17.3	7.0	0.10	166.0	0.2	347.5	0.26	0.214
	Maximum	0	0	0	0	20	7.1	0.26	172	0.2	359	0.5	0.214
	Minimum	0	0	0	0	13	6.9	0.03	156	0.2	327	0.02	0.214

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Date Aug-06	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
01-Aug	3429 Reden	0	0			21	7.0	0.03	173	0.2	363		
09-Aug	3465 Cambridge	0	0	0	0	14	7.0	0.16	168	0.2	351	0.5	0.237
15-Aug	3541 Shelby	0	0	0	0	17	7.0	0.10	171	0.2	360		
22-Aug	3730 Fairwinds	0	0	0	0	20	7.0	0.06	172	0.2	361		
29-Aug	3500 Fairwinds	0	0	0	0	14	7.1	0.82	176	0.2	368		
	Average	0	0	0	0	17.2	7.0	0.23	172.0	0.2	360.6	0.50	0.237
	Maximum	0	0	0	0	21	7.1	0.82	176	0.2	368	0.5	0.237
	Minimum	0	0	0	0	14	7	0.03	168	0.2	351	0.5	0.237

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Date Sep-06	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-Sep	3500 Fairwinds Dr	0	0	0	0	14	7.1	1.31	174	0.2	365	0.52	0.225
12-Sep	3541 Shelby Lane	0	0	0	0	17	7.0	0.06	171	0.2	358		
19-Sep	3465 Cambridge	0	0	0	0	14	7.0	0.26	170	0.2	357		
26-Sep	3429 Reden	0	0	0	0	19	7.0	0.07	173	0.2	363		
	Average	0	0	0	0	16.0	7.0	0.43	172.0	0.2	360.8	0.52	0.225
	Maximum	0	0	0	0	19	7.1	1.31	174	0.2	365	0.52	0.225
	Minimum	0	0	0	0	14	7	0.06	170	0.2	357	0.52	0.225

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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 ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
03-Oct	3500 Fairwinds Dr	0	0	0	0	12	7.0	0.44	174	0.2	366	0.61	0.248
11-Oct	3730 Fairwinds Dr	0	0	0	0	15	7.1	0.08	174	0.2	365		
17-Oct	3541 Shelby Ln	0	0	0	0	13	7.1	0.81	171	0.2	360		
24-Oct	3429 Fairwinds	0	0										
31-Oct	3465 Cambridge	0	0										
Average		0	0	0	0	13.3	7.1	0.44	173.0	0.2	363.7	0.61	0.248
Maximum		0	0	0	0	15	7.1	0.81	174	0.2	366	0.61	0.248
Minimum		0	0	0	0	12	7	0.08	171	0.2	360	0.61	0.248

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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 ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
07-Nov	3500 Fairwinds Dr	0	0	0	0	11	7.1	0.28	167	0.2	351	0.5	0.217
15-Nov	3429 Reden	0	0	0	0	12	7.3	0.13	169	0.2	355		
21-Nov	3465 Cambridge	0	0	1	0	10	6.9	0.46	169	0.2	355		
22-Nov	3500 Fairwinds Dr			0	0								
22-Nov	3541 Shelby	0	0	0	0								
28-Nov	3730 Fairwinds Dr	0	0	0	0								
28-Nov	3500 Fairwinds Dr			0	0			0.17					
	Average	0	0	0.14285714	0	11.0	7.1	0.26	168.3	0.2	353.7	0.50	0.217
	Maximum	0	0	1	0	12	7.3	0.46	169	0.2	355	0.5	0.217
	Minimum	0	0	0	0	10	6.9	0.13	167	0.2	351	0.5	0.217

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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 ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
05-Dec	3500 Fairwinds	0	0	0	0	8	7.4	0.26	168	0.2	356	0.55	0.213
12-Dec	3541 Shelby	0	0	0	0	8	7.4	0.33	167	0.2	354		
19-Dec	3429 Reden	0	0	0	0	7	6.7	0.04	162	0.2	345		
	Average	0	0	0	0	7.7	7.2	0.21	165.7	0.2	351.7	0.55	0.213
	Maximum	0	0	0	0	8	7.4	0.33	168	0.2	356	0.55	0.213
	Minimum	0	0	0	0	7	6.7	0.04	162	0.2	345	0.55	0.213

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