



Regional District of Nanaimo - Utilities Department

Fairwinds 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													
3-Jan	3500 Fairwinds Dr	0	0	0	0	7	7.1	0.52	158	0.2	333	1.91	0.635
9-Jan	3429 Reden Rd	0	0	0	0	7	6.9	0.06	160	0.2	339		
16-Jan	3541 Shelby	0	0	0	0	7	7	0.14	160	0.2	341		
23-Jan	3730 Fairwinds	0	0										
31-Jan	3465 Cambridge	0	0										
	Average	0	0	0	0	7.0	7.0	0.24	159.3	0.2	337.7	1.91	0.635
	Maximum	0	0	0	0	7	7.1	0.52	160	0.2	341	1.91	0.635
	Minimum	0	0	0	0	7	6.9	0.06	158	0.2	333	1.91	0.635

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.

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
Feb-07													
6-Feb	3500 Fairwinds Dr	0	0	0	0	7	7	0.88	159	0.2	339	2.04	0.77
13-Feb	3730 Fairwinds Dr	0	0	0	0	9	7	0.06	158	0.2	332		
20-Feb	3541 Shelby Ln	0	0	0	0	8	7	0.08	159	0.2	337		
27-Feb	3429 Reden Rd	0	0	0	0	7	7	0.07	157	0.2	333		
	Average	0	0	0	0	7.8	7.0	0.27	158.3	0.2	335.3	2.04	0.77
	Maximum	0	0	0	0	9	7	0.88	159	0.2	339	2.04	0.77
	Minimum	0	0	0	0	7	7	0.06	157	0.2	332	2.04	0.77

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Mar-07													
6-Mar	3429 Chain Way	0	0				7.1	0.06	154	0.2	323	0.28	0.175
13-Mar	3500 Fairwinds Dr	0	0	0	0	8	7.3	0.35	157	0.2	331		
20-Mar	3541 Shelby Ln	0	0	0	0	8	7.2	0.13	160	0.2	340		
27-Mar	3465 Cambridge	0	0	0	0	9	7.3	0.29	160	0.2	338		
	Average	0	0	0	0	8.3	7.2	0.21	157.8	0.2	333.0	0.28	0.175
	Maximum	0	0	0	0	9	7.3	0.35	160	0.2	340	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
3-Apr	3730 Fairwinds	0	0	0	0	10	7.3	0.04	162	0.2	342	0.05	0.084
11-Apr	3429 Reden	0	0	0	0	10	7.5	0.05	158	0.2	335		
17-Apr	3500 Fairwinds	0	0	0	0		7.1	0.14	158	0.2	332		
24-Apr	3541 Shelby	0	0	0	0	10	7.4	0.19	157	0.2	332		
	Average	0	0	0	0	10.0	7.3	0.11	158.8	0.2	335.3	0.05	0.084
	Maximum	0	0	0	0	10	7.5	0.19	162	0.2	342	0.05	0.084
	Minimum	0	0	0	0	10	7.1	0.04	157	0.2	332	0.05	0.084

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Date May-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
1-May	3429 Reden Rd	0	0	0	0	10	7.3	0.25	158	0.2	333	0.58	0.024
8-May	3500 Fairwinds Dr	0	0	0	0	11	7.4	0.25	159	0.2	333		
15-May	3465 Cambridge	0	0	0	0	12	7.5	0.28	159	0.2	333		
23-May	3730 Fairwinds	0	0	0	0	14	7.5	0.08	160	0.2	335		
29-May	3541 Shelby	0	0	0	0	12	7.6	0.1	167	0.2	351		
	Average	0	0	0	0	11.8	7.5	0.19	160.6	0.2	337.0	0.58	0.024
	Maximum	0	0	0	0	14	7.6	0.28	167	0.2	351	0.58	0.024
	Minimum	0	0	0	0	10	7.3	0.08	158	0.2	333	0.58	0.024

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Date Jun-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
5-Jun	3500 Fairwinds Dr	0	0	0	0	13	7.1	0.12	167	0.2	351	0.73	0.245
12-Jun	3730 Fairwinds Dr	0	0	0	0	15	7.1	0.03	168	0.2	352		
19-Jun	3429 Reden	0	0	0	0		6.9	0.01	168	0.2	352		
26-Jun	3465 Cambridge	0	0	0	0		6.9	0.14	129	0.1	272		
	Average	0	0	0	0	14.0	7.0	0.08	158.0	0.2	331.8	0.73	0.245
	Maximum	0	0	0	0	15	7.1	0.14	168	0.2	352	0.73	0.245
	Minimum	0	0	0	0	13	6.9	0.01	129	0.1	272	0.73	0.245

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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
4-Jul	3500 Fairwinds Dr	0	0*	0	0	14	6.9	0.06	121	0.1	255	0.4	0.174
10-Jul	3429 Reden Rd	0	0*	0	0	19	6.9	0.08	126	0.1	266		
17-Jul	3541 Shelby Ln	0	0*	0	0	16	6.9	0.09	125	0.1	263		
25-Jul	3730 Fairwinds Dr	0	0*	0	0	18	6.8	0.04	122	0.1	257		
31-Jul	3465 Cambridge	0	0*	0	0								
Average		0	0	0	0	16.8	6.9	0.07	123.5	0.1	260.3	0.40	0.174
Maximum		0	0	0	0	19	6.9	0.09	126	0.1	266	0.4	0.174
Minimum		0	0	0	0	14	6.8	0.04	121	0.1	255	0.4	0.174

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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.

*Some samples tested by Parksville Health Department for July contained Background Bacteria. Later resolved by increasing chlorine dosage to water supply.



Regional District of Nanaimo - Utilities Department

Fairwinds Water Analysis - Monthly Report



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
8-Aug	3500 Fairwinds Dr	0	0*	0	0	16	7	0.09	130	0.1	273	0.44	0.178
14-Aug	3541 Shelby Ln	0	0(OG)	0	0	17	6.9	0.05	129	0.1	271		
21-Aug	3465 Cambridge	0	0*	0	0		6.9	0.3	138	0.1	289		
28-Aug	3730 Fairwinds	0	0*	0	0	19	6.9	0.03	131	0.1	274		
Average		0	0	0	0	17.3	6.9	0.12	132.0	0.1	276.8	0.44	0.178
Maximum		0	0	0	0	19	7	0.3	138	0.1	289	0.44	0.178
Minimum		0	0	0	0	16	6.9	0.03	129	0.1	271	0.44	0.178

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Comments:

Not all bacteria test results are returned from Health Department
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Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

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Regional District of Nanaimo - Utilities Department

Fairwinds Water Analysis - Monthly Report



Date Sep-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
5-Sep	3465 Cambridge	0	BG	0	0	16	6.9	0.12	130	0.1	273	0.43	0.16
11-Sep	3500 Fairwinds Dr	0	0	0	0	15	7	0.36	134	0.1	282		
18-Sep	3429 Reden	0	0					0.2					
25-Sep	3730 Fairwinds Dr	0	BG	0	0	17	7.1	0.04	131	0.1	276		
	Average	0	0	0	0	16.0	7.0	0.18	131.7	0.1	277.0	0.43	0.16
	Maximum	0	0	0	0	17	7.1	0.36	134	0.1	282	0.43	0.16
	Minimum	0	0	0	0	15	6.9	0.04	130	0.1	273	0.43	0.16

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BG - Background bacteria found.

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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
2-Oct	3500 Fairwinds Dr	0	0	0	0	14	6.8	0.21	135	0.1	285	0.37	0.134
10-Oct	3541 Shelby Lane	0	0	0	0	13	7.2	0.09	155	0.2	325		
16-Oct	3730 Fairwinds Dr	0	0	0	0	15	7.2	0.02	165	0.2	346		
22-Oct	3429 Reden Rd	0	OG	OG	0								
30-Oct	3465 Cambridge	0	0	0	0	12	7.2	0.19	170	0.2	357		
	Average	0	0	0	0	13.5	7.1	0.13	156.3	0.2	328.3	0.37	0.134
	Maximum	0	0	0	0	15	7.2	0.21	170	0.2	357	0.37	0.134
	Minimum	0	0	0	0	12	6.8	0.02	135	0.1	285	0.37	0.134

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OG - Overgrown



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Date Nov-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
6-Nov	3500 Fairwinds Dr	0	0	0	0	11	6.9	0.16	171	0.2	360	0.8	0.271
14-Nov	3429 Reden Rd	0	0	0	0	12	7	0.07	171	0.2	361		
20-Nov	3465 Cambridge	0	0	0	0	10	7.1	0.12	172	0.2	366		
27-Nov	3541 Shelby Ln	0	0	0	0	9	7.1	0.85	178	0.2	378		
	Average	0	0	0	0	10.5	7.0	0.30	173.0	0.2	366.3	0.80	0.271
	Maximum	0	0	0	0	12	7.1	0.85	178	0.2	378	0.8	0.271
	Minimum	0	0	0	0	9	6.9	0.07	171	0.2	360	0.8	0.271

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Date Dec-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
4-Dec	3500 Fairwinds	0	0	0	0	9	7	0.49	174	0.2	369	1.12	0.291
11-Dec	3730 Fairwinds Dr	0	0	0	0	8	7	0.05	173	0.2	368		
18-Dec	3541 Shelby Ln	0	0	0	0	7	7	0.11	171	0.2	366		
	Average	0	0	0	0	8.0	7.0	0.22	172.7	0.2	367.7	1.12	0.291
	Maximum	0	0	0	0	9	7	0.49	174	0.2	369	1.12	0.291
	Minimum	0	0	0	0	7	7	0.05	171	0.2	366	1.12	0.291

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