



Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2013 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Dec-13	3533 Hebert	0	0	0	0	8	7.19	1.13	101.7	0.10	213.7	0.15	0.024
10-Dec-13	3564 Foxglove	0	0	0	0	8	7.21	1.69	64.1	0.06	134.8		
10-Dec-13	3537 Harris	0	0	0	0	8	7.16	1.69	61.7	0.06	130.6		
16-Dec-13	844 Carson	0	0	0	0	7	7.13	0.81	59.3	0.06	124.1		
30-Dec-13	3533 Hebert			0	0	9	7.52	1.58	55.9	0.06	118.4		
	Average	0	0	0	0	8.0	7.2	1.38	68.5	0.1	144.3	0.15	0.024
	Maximum	0	0	0	0	9	7.52	1.69	101.7	0.1	213.7	0.15	0.024
	Minimum	0	0	0	0	7	7.13	0.81	55.9	0.06	118.4	0.15	0.024

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



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6-Nov-13	3533 Hebert	0	0	0	0	12	7.13	0.84	91.4	0.09	192.0		
12-Nov-13	3537 Harris	0	0	0	0	10	7.27	1.38	86.6	0.09	182.0	0.04	0.011
25-Nov-13	3564 Foxglove	0	0	0	0	9	7.15	0.97	183.5	0.18	383.0		
25-Nov-13	844 Carson	0	0	0	0	9	7.13	0.93	178.0	0.18	370.0		
	Average	0	0	0	0	10.0	7.2	1.03	134.9	0.1	281.8	0.04	0.011
	Maximum	0	0	0	0	12	7.27	1.38	183.5	0.18	383	0.04	0.011
	Minimum	0	0	0	0	9	7.13	0.84	86.6	0.09	182	0.04	0.011

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2-Oct-13	3533 Hebert	0	0	0	0	14	7.44	0.29	82.1	0.08	173.0	0.07	0.009
9-Oct-13	3537 Harris	0	0	0	0	13	7.13	1.95	95.9	0.10	201.7		
15-Oct-13	3564 Foxglove	0	0	0	0	13	7.27	1.34	81.1	0.08	171.0		
22-Oct-13	844 Carson	0	0	0	0	13	7.22	0.73	71.9	0.07	151.9		
28-Oct-13	3564 Foxglove	0	0	0	0	14	7.21	0.83	72.0	0.07	152.0		
	Average	0	0	0	0	13.4	7.3	1.03	80.6	0.1	169.9	0.07	0.009
	Maximum	0	0	0	0	14	7.44	1.95	95.9	0.1	201.7	0.07	0.009
	Minimum	0	0	0	0	13	7.13	0.29	71.9	0.07	151.9	0.07	0.009

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4-Sep-13	3533 Hebert	0	0	0	0	16	7.16	1.10	59.5	0.06	125.8	0.03	0.012
9-Sep-13	3537 Harris	0	0	0	0	16	7.24	0.93	58.8	0.06	124.2		
16-Sep-13	3564 Foxglove	0	0	0	0	16	7.52	0.86	69.5	0.07	146.8		
24-Sep-13	844 Carson	0	0	0	0	15	7.33	0.29	69.7	0.07	147.3		
	Average	0	0	0	0	15.8	7.3	0.80	64.4	0.1	136.0	0.03	0.012
	Maximum	0	0	0	0	16	7.52	1.1	69.7	0.07	147.3	0.03	0.012
	Minimum	0	0	0	0	15	7.16	0.29	58.8	0.06	124.2	0.03	0.012

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6-Aug-13	3533 Hebert	0	0	0	0	17	7.23	1.13	53.4	0.05	113.0	0.05	0.005
12-Aug-13	3537 Harris Cres	0	0	0	0	17	7.02	0.65	53.9	0.05	112.7		
20-Aug-13	3564 Foxglove	0	0	0	0	17	7.19	0.73	53.4	0.05	113.1		
27-Aug-13	844 Carson	0	0	0	0	15	7.04	1.13	55.1	0.05	116.6		
	Average	0	0	0	0	16.5	7.1	0.91	54.0	0.1	113.9	0.05	0.005
	Maximum	0	0	0	0	17	7.23	1.13	55.1	0.05	116.6	0.05	0.005
	Minimum	0	0	0	0	15	7.02	0.65	53.4	0.05	112.7	0.05	0.005

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2-Jul-13	3533 Hebert	0	0	0	0	17	7.15	0.89	61.9	0.06	131.3	0.06	0.013
8-Jul-13	3537 Harris	0	0	0	0	14	6.99	0.75	61.1	0.06	129.2		
17-Jul-13	3564 Foxglove	0	0	0	0	15	7.09	0.55	51.2	0.05	108.4		
22-Jul-13	844 Carson	0	0	0	0	15	7.13	0.92	52.8	0.05	111.8		
	Average	0	0	0	0	15.3	7.1	0.78	56.8	0.1	120.2	0.06	0.013
	Maximum	0	0	0	0	17	7.15	0.92	61.9	0.06	131.3	0.06	0.013
	Minimum	0	0	0	0	14	6.99	0.55	51.2	0.05	108.4	0.06	0.013

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3-Jun-13	3533 Hebert	0	0	0	0	14	6.72	0.85	64.9	0.06	138.5	0.04	0.011
10-Jun-13	3537 Harris	0	0	0	0	13	7.39	0.65	56.9	0.06	120.4		
19-Jun-13	3564 Foxglove	0	0	0	0	12	7.52	0.85	62.8	0.06	132.7		
25-Jun-13	844 Carson	0	0	0	0	14	6.88	0.79	68.7	0.07	145.2		
	Average	0	0	0	0	13.3	7.1	0.79	63.3	0.1	134.2	0.04	0.011
	Maximum	0	0	0	0	14	7.52	0.85	68.7	0.07	145.2	0.04	0.011
	Minimum	0	0	0	0	12	6.72	0.65	56.9	0.06	120.4	0.04	0.011

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8-May-13	3533 Hebert	0	0			11	7.24	0.94	57.5	0.06	121.5	0.04	0.016
14-May-13	3537 Harris	0	0			11	7.15	0.85	58.8	0.06	124.4		
22-May-13	3564 Foxglove	0	0			11	7.23	1.22	66.7	0.07	140.8		
28-May-13	844 Carson	0	0	0	0	12	7.46	0.63	72.8	0.07	153.4		
	Average	0	0	0	0	11.3	7.3	0.91	64.0	0.1	135.0	0.04	0.016
	Maximum	0	0	0	0	12	7.46	1.22	72.8	0.07	153.4	0.04	0.016
	Minimum	0	0	0	0	11	7.15	0.63	57.5	0.06	121.5	0.04	0.016

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3-Apr-13	3533 Hebert	0	0	0	0	10	7.47	1.33	55.3	0.05	115.8	0.07	0.025
9-Apr-13	3537 Harris	0	0	0	0	8	7.54	0.66	58.0	0.06	122.9		
17-Apr-13	3564 Foxglove	0	0	0	0	12	7.10	0.54	65.6	0.06	138.6		
22-Apr-13	844 Carson	0	0	0	0	10	6.68	0.69	65.1	0.06	137.8		
	Average	0	0	0	0	10.0	7.2	0.81	61.0	0.1	128.8	0.07	0.025
	Maximum	0	0	0	0	12	7.54	1.33	65.6	0.06	138.6	0.07	0.025
	Minimum	0	0	0	0	8	6.68	0.54	55.3	0.05	115.8	0.07	0.025

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6-Mar-13	3533 Hebert	0	0	0	0	7	7.28	1.18	54.2	0.05	115.5	0.12	0.009
13-Mar-13	3537 Harris	0	0	0	0	7	7.17	0.74	53.1	0.05	112.4		
18-Mar-13	3564 Foxglove	0	0	0	0	8	7.06	0.70	65.4	0.06	137.8		
25-Mar-13	844 Carson	0	0	0	0	7	6.77	0.85	63.5	0.06	134.2		
	Average	0	0	0	0	7.3	7.1	0.87	59.1	0.1	125.0	0.12	0.009
	Maximum	0	0	0	0	8	7.28	1.18	65.4	0.06	137.8	0.12	0.009
	Minimum	0	0	0	0	7	6.77	0.7	53.1	0.05	112.4	0.12	0.009

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6-Feb-13	3533 Hebert	0	0	0	0	6	7.16	1.24	50.2	0.05	106.4	0.06	0.011
12-Feb-13	3537 Harris	0	0	0	0	7	7.26	0.45	51.5	0.05	107.2		
20-Feb-13	3564 Foxglove	0	0	0	0	7	7.31	0.79	50.9	0.05	107.8		
25-Feb-13	844 Carson	0	0	0	0	6	7.22	0.47	53.2	0.05	112.7		
	Average	0	0	0	0	6.5	7.2	0.74	51.5	0.1	108.5	0.06	0.011
	Maximum	0	0	0	0	7	7.31	1.24	53.2	0.05	112.7	0.06	0.011
	Minimum	0	0	0	0	6	7.16	0.45	50.2	0.05	106.4	0.06	0.011

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8-Jan-13	3564 Foxglove	0	0	0	0	7		1.05				0.23	0.129
16-Jan-13	3533 Hebert	0	0	0	0	5	6.97	1.79	55.7	0.06	117.9		
21-Jan-13	3537 Harris	0	0	0	0	7	7.12	0.64	44.2	0.04	94.1		
28-Jan-13	844 Carson	0	0	0	0	6	7.11	0.12	47.4	0.05	100.5		
	Average	0	0	0	0	6.3	7.1	0.90	49.1	0.1	104.2	0.23	0.129
	Maximum	0	0	0	0	7	7.12	1.79	55.7	0.06	117.9	0.23	0.129
	Minimum	0	0	0	0	5	6.97	0.12	44.2	0.04	94.1	0.23	0.129

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