



Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2012 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)
5-Jan-12	979 Poplar			0	0	8	7.12	0.31	48.1	0.05	101.8	0.11	0.027
11-Jan-12	3561 Hebert	0	0	0	0		7.13	0.76	48.6	0.05	102.7		
16-Jan-12	844 Carson	0	0	0	0	6	7.31	0.04	58.6	0.06	124.0		
24-Jan-12	3564 Foxglove			0	0	6	7.45	0.34	46.4	0.05	98.2		
30-Jan-12	899 Poplar	0	0	0	0	7	7.41	0.26	54.9	0.05	94.5		
	Average	0	0	0	0	6.8	7.28	0.34	51.3	0.05	104.2	0.11	0.027
	Maximum	0	0	0	0	8	7.45	0.76	58.6	0.06	124.0	0.11	0.027
	Minimum	0	0	0	0	6	7.12	0.04	46.4	0.05	94.5	0.11	0.027

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-Feb-12	3561 Hebert	0	0	0	0	5	7.89	1.08	45.8	0.05	97.4	0.08	0.007
14-Feb-12	844 Carson	0	0	0	0	6	7.29	0.01	54.1	0.05	114.8		
21-Feb-12	3564 Foxglove Rd	0	0	0	0	7	7.28	0.28	49.6	0.05	105.2		
27-Feb-12	899 Poplar	0	0	0	0	7	7.48	0.75	49.6	0.05	105.0		
	Average	0	0	0	0	6.3	7.5	0.53	49.8	0.05	105.6	0.08	0.007
	Maximum	0	0	0	0	7	7.89	1.08	54.1	0.05	114.8	0.08	0.007
	Minimum	0	0	0	0	5	7.28	0.01	45.8	0.05	97.4	0.08	0.007

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7-Mar-12	3561 Hebert	0	0	0	0	6	7.21	0.23	47.3	0.05	100.2	0.09	0.001
12-Mar-12	844 Carson	0	0	0	0	6	7.43	0.03	58.8	0.06	124.7		
20-Mar-12	3564 Foxglove	0	0	0	0	7	7.23	1.36	49.3	0.05	104.6		
26-Mar-12	899 Poplar	0	0	0	0	7	7.38	0.70	45.9	0.05	97.3		
	Average	0	0	0	0	6.5	7.3	0.58	50.3	0.05	106.7	0.09	0.001
	Maximum	0	0	0	0	7	7.43	1.36	58.8	0.06	124.7	0.09	0.001
	Minimum	0	0	0	0	6	7.21	0.03	45.9	0.05	97.3	0.09	0.001

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2-Apr-12	3561 Hebert	0	0	0	0	7	6.72	0.74	48.8	0.05	90.4	0.08	0.014
10-Apr-12	844 Carson	0	0	0	0	7	7.25	0.04	56.1	0.06	118.7		
16-Apr-12	3564 Foxgove	0	0	0	0	8	6.99	0.99	49.8	0.05	82.9		
24-Apr-12	899 Poplar	0	0	0	0	9	7.07	1.02	48.1	0.05	84.1		
	Average	0	0	0	0	7.8	7.0	0.70	50.7	0.05	94.0	0.08	0.014
	Maximum	0	0	0	0	9	7.25	1.02	56.1	0.06	118.7	0.08	0.014
	Minimum	0	0	0	0	7	6.72	0.04	48.1	0.05	82.9	0.08	0.014

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1-May-12	3561 Herbert	0	0	0	0	9	7.24	0.88	50.4	0.05	91.5	0.08	0.012
1-May-12	3564 Foxglove	0	0	0	0	9		1.07					
8-May-12	844 Carson	0	0	0	0	11	6.96	0.09	53.8	0.05	91.5		
8-May-12	899 Poplar	0	0	0	0	11		0.99					
16-May-12	3564 Foxglove	0	0	0	0	9	7.18	1.92	52.1	0.05	110.4		
22-May-12	844 Carson			0	0	11	7.98	0.13	60.4	0.06	127.6		
	Average	0	0	0	0	10.0	7.3	0.85	54.2	0.05	105.3	0.08	0.012
	Maximum	0	0	0	0	11	7.98	1.92	60.4	0.06	127.6	0.08	0.012
	Minimum	0	0	0	0	9	6.96	0.09	50.4	0.05	91.5	0.08	0.012

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4-Jun-12	3561 Hebert	0	0	0	0	12	7.20	0.49	51.0	0.05	107.2	0.03	0.007
12-Jun-12	844 Carson	0	0	0	0	12	7.28	0.86	55.3	0.05	116.4		
20-Jun-12	899 Poplar	0	0	0	0	13	7.18	1.15	50.1	0.05	106.3		
26-Jun-12	3564 Foxglove	0	0	0	0	12	7.13	0.55	53.6	0.05	97.9		
	Average	0	0	0	0	12.3	7.20	0.76	52.5	0.05	107.0	0.03	0.007
	Maximum	0	0	0	0	13	7.28	1.15	55.3	0.05	116.4	0.03	0.007
	Minimum	0	0	0	0	12	7.13	0.49	50.1	0.05	97.9	0.03	0.007

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9-Jul-12	3561 Hebert	0	0	0	0	15	8.14	1.23	53.9	0.05	103.0	0.03	0.011
17-Jul-12	844 Carson	0	0	0	0		7.39	0.76	57.3	0.06	121.3		
24-Jul-12	3564 Foxglove	0	0	0	0	14	7.22	0.38	53.6	0.05	113.7		
30-Jul-12	899 Poplar	A	A	0	0	15	7.63	1.10	52.6	0.05	111.4		
	Average	0	0	0	0	14.7	7.6	0.87	54.4	0.1	112.4	0.03	0.011
	Maximum	0	0	0	0	15	8.14	1.23	57.3	0.06	121.3	0.03	0.011
	Minimum	0	0	0	0	14	7.22	0.38	52.6	0.05	103.0	0.03	0.011

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A-Transport time was too long to laboratory.

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7-Aug-12	3561 Hebert	0	0	0	0	17	7.53	0.83	53.0	0.05	112.2	0.03	0.008
14-Aug-12	3564 Foxglove	0	0	0	0	16	7.06	1.05	53.2	0.05	112.7		
21-Aug-12	899 Poplar	0	0	0	0	17	7.06	0.94	53.1	0.05	112.5		
28-Aug-12	844 Carson	0	0	0	0	15	6.92	0.57	56.7	0.06	119.5		
	Average	0	0	0	0	16.3	7.1	0.85	54.0	0.1	114.2	0.03	0.008
	Maximum	0	0	0	0	17	7.53	1.05	56.7	0.06	119.5	0.03	0.008
	Minimum	0	0	0	0	15	6.92	0.57	53	0.05	112.2	0.03	0.008

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5-Sep-12	3561 Hebert	0	0	0	0	17	7.58	0.62	52.9	0.05	112.0	0.04	0.031
12-Sep-12	3564 Foxglove	0	0	0	0	14	7.26	0.65	54.1	0.05	114.7		
18-Sep-12	899 Poplar	0	0	0	0	14	7.15	0.78	51.7	0.05	109.6		
24-Sep-12	844 Carson	0	0	0	0	14	7.47	0.37	54.5	0.05	115.4		
	Average	0	0	0	0	14.8	7.4	0.61	53.3	0.1	112.9	0.04	0.031
	Maximum	0	0	0	0	17	7.58	0.78	54.5	0.05	115.4	0.04	0.031
	Minimum	0	0	0	0	14	7.15	0.37	51.7	0.05	109.6	0.04	0.031

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3-Oct-12	3541 Hebert	0	0	0	0	13	7.11	0.51	48.5	0.05	102.8	0.01	0.007
15-Oct-12	3564 Foxglove	0	0	0	0	13	7.28	0.18	51.8	0.05	109.9		
15-Oct-12	899 Poplar	0	0	0	0	13	7.12	0.05	53.6	0.05	113.5		
24-Oct-12	844 Carson	0	0	0	0	12	6.97	0.26	75.2	0.07	158.2		
	Average	0	0	0	0	12.8	7.1	0.25	57.3	0.1	121.1	0.01	0.007
	Maximum	0	0	0	0	13	7.28	0.51	75.2	0.07	158.2	0.01	0.007
	Minimum	0	0	0	0	12	6.97	0.05	48.5	0.05	102.8	0.01	0.007

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13-Nov-12	3541 Hebert	0	0	0	0		7.26	1.17	66.5	0.07	140.6		0.007
13-Nov-12	899 Poplar	0	0	0	0		7.33	1.4	82	0.08	172	0.07	
20-Nov-12	3564 Foxglove	0	0	0	0	11	7.22	0.46	66.3	0.07	140.3		
27-Nov-12	844 Carson	0	0	0	0	8	7.5	0.01	78.9	0.08	166.4		
	Average	0	0	0	0	9.5	7.3	0.76	73.4	0.1	154.8	0.07	0.007
	Maximum	0	0	0	0	11	7.5	1.4	82	0.08	172	0.07	0.007
	Minimum	0	0	0	0	8	7.22	0.01	66.3	0.07	140.3	0.07	0.007

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4-Dec-12	3561 Hebert	0	0	0	0	10	7.28	0.28	68.5	0.07	144.6	0.12	0.035
4-Dec-12	899 Poplar	0	0	0	0	9	7.13	0.65	65.4	0.06	138.2		
11-Dec-12	3564 Foxglove	0	0	0	0	9	6.63	1.54	60.2	0.06	127.3		
17-Dec-12	844 Carson	0	0	0	0	8	7.37	0.83	63.5	0.06	134.3		
	Average	0	0	0	0	9.0	7.1	0.83	64.4	0.06	136.1	0.12	0.035
	Maximum	0	0	0	0	10	7.37	1.54	68.5	0.07	144.6	0.12	0.035
	Minimum	0	0	0	0	8	6.63	0.28	60.2	0.06	127.3	0.12	0.035

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