



# Regional District of Nanaimo - Water Services Department

## Whiskey Creek Water Analysis - 2016 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)
7-Dec-16	3533 Hebert	0	0	0	0	8	6.62	1.06	58.6	0.06	123.9	0.02	0.014
7-Dec-16	3537 Harris	0	0	0	0	8	6.55	1.02	59.0	0.06	124.9		
14-Dec-16	3564 Foxglove	0	0	0	0	7	6.77	1.35	59.4	0.06	125.2		
14-Dec-16	844 Carson	0	0	0	0	6	6.75	1.21	64.0	0.06	135.4		
	<b>Average</b>	0	0	0	0	7.3	6.7	1.16	60.3	0.06	127.4	0.02	0.014
	<b>Maximum</b>	0	0	0	0	8	6.77	1.35	64.0	0.06	135.4	0.02	0.014
	<b>Minimum</b>	0	0	0	0	6	6.55	1.02	58.6	0.06	123.9	0.02	0.014

**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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1-Nov-16	3533 Hebert	0	0	0	0	12	6.51	1.67	76.1	0.08	160.5	0.04	0.009
8-Nov-16	3537 Harris	0	0	0	0	11	6.51	1.35	71.0	0.07	149.8		
14-Nov-16	3564 Foxglove	0	0	0	0	12	6.55	1.41	68.1	0.07	143.8		
22-Nov-16	844 Carson	0	0	0	0	9	6.66	1.12	67.4	0.07	142.1		
29-Nov-16	3564 Foxglove	0	0	0	0	9	6.51	1.16	65.7	0.07	138.8		
	<b>Average</b>	0	0	0	0	10.6	6.5	1.34	69.7	0.1	147.0	0.04	0.009
	<b>Maximum</b>	0	0	0	0	12	6.66	1.67	76.1	0.08	160.5	0.04	0.009
	<b>Minimum</b>	0	0	0	0	9	6.51	1.12	65.7	0.07	138.8	0.04	0.009

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4-Oct-16	3533 Hebert	0	0	0	0	11	6.96	1.11	55.0	0.05	116.1	0.01	0.000
12-Oct-16	3537 Harris	0	0	0	0	10	6.66	1.65	88.4	0.09	185.8		
18-Oct-16	3564 Foxglove	0	0	0	0	12	6.79	1.18	89.4	0.09	187.8		
24-Oct-16	844 Carson	0	0	0	0	10	6.52	1.24	80.3	0.08	168.6		
	<b>Average</b>	0	0	0	0	10.8	6.7	1.30	78.3	0.08	164.6	0.01	0.000
	<b>Maximum</b>	0	0	0	0	12	6.96	1.65	89.4	0.09	187.8	0.01	0.000
	<b>Minimum</b>	0	0	0	0	10	6.52	1.11	55	0.05	116.1	0.01	0.000

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6-Sep-16	3533 Hebert	0	0	0	0	15.5	7.21	1.23	57.1	0.06	120.9	0.01	0.010
13-Sep-16	3537 Harris	0	0	0	0	17	7.13	1.29	54.1	0.05	114.5		
20-Sep-16	3564 Foxglove	0	0	0	0		7.14	1.09	54.9	0.05	116.5		
27-Sep-16	844 Carson	0	0	0	0	12	7.30	1.16	59.7	0.06	126.7		
	<b>Average</b>	0	0	0	0	14.8	7.2	1.19	56.5	0.1	119.7	0.01	0.010
	<b>Maximum</b>	0	0	0	0	17	7.3	1.29	59.7	0.06	126.7	0.01	0.010
	<b>Minimum</b>	0	0	0	0	12	7.13	1.09	54.1	0.05	114.5	0.01	0.010

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2-Aug-16	3533 Hebert	0	0	0	0	17	7.22	1.47	50.7	0.05	107.6	0.02	0.022
9-Aug-16	3537 Harris	0	0	0	0	17	7.02	1.72	54.3	0.05	114.8		
16-Aug-16	3564 Foxglove	0	0	0	0	18	7.03	1.15	54.2	0.05	114.6		
23-Aug-16	844 Carson	0	0	0	0	16	7.24	1.11	57.1	0.06	121.0		
29-Aug-16	3564 Foxglove			0	1	18	7.22	1.01	54.0	0.05	114.3		
	<b>Average</b>	0	0	0	0.2	17.2	7.1	1.29	54.1	0.05	114.5	0.02	0.022
	<b>Maximum</b>	0	0	0	1	18	7.24	1.72	57.1	0.06	121	0.02	0.022
	<b>Minimum</b>	0	0	0	0	16	7.02	1.01	50.7	0.05	107.6	0.02	0.022

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5-Jul-16	3533 Hebert	0	0	0	0	15	7.12	0.98	51.2	0.05	108.6	0.01	0.000
12-Jul-16	3537 Harris	0	0	0	0	16	7.25	0.61	56.6	0.06	119.7		
18-Jul-16	3564 Foxglove	0	0	0	0		7.00	1.45	53.6	0.05	113.4		
26-Jul-16	844 Carson	0	0	0	0	15	7.26	1.64	54.8	0.05	116.1		
	<b>Average</b>	0	0	0	0	15.3	7.2	1.17	54.1	0.1	114.5	0.01	0.000
	<b>Maximum</b>	0	0	0	0	16	7.26	1.64	56.6	0.06	119.7	0.01	0.000
	<b>Minimum</b>	0	0	0	0	15	7	0.61	51.2	0.05	108.6	0.01	0.000

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7-Jun-16	3533 Hebert	0	0	0	0	14	7.06	1.36	49.8	0.05	105.3	0.01	0.000
14-Jun-16	3537 Harris	0	0	0	0	14	7.09	1.30	51.2	0.05	108.7		
21-Jun-16	3564 Foxglove	0	0	0	0	13.5	7.30	1.45	51.1	0.05	108.5		
27-Jun-16	844 Carson	0	0	0	0	14	7.02	1.18	71.2	0.07	150.6		
	<b>Average</b>	0	0	0	0	13.9	7.1	1.32	55.8	0.1	118.3	0.01	0.000
	<b>Maximum</b>	0	0	0	0	14	7.3	1.45	71.2	0.07	150.6	0.01	0.000
	<b>Minimum</b>	0	0	0	0	13.5	7.02	1.18	49.8	0.05	105.3	0.01	0.000

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4-May-16	3533 Hebert	0	0	0	0	14	7.21	1.22	52.0	0.05	109.6		
10-May-16	3537 Harris	0	0	0	0	12	7.19	1.48	52.1	0.05	110.5	0.03	0.002
17-May-16	3564 Foxglove	0	0	0	0	13	7.09	1.21	51.9	0.05	109.9		
25-May-16	844 Carson	0	0	0	0	13	7.25	0.89	51.9	0.05	109.9		
31-May-16	3533 Hebert			0	0	16	7.39	1.29	51.0	0.05	108.0		
	<b>Average</b>	0	0	0	0	13.6	7.2	1.22	51.8	0.1	109.6	0.03	0.002
	<b>Maximum</b>	0	0	0	0	16	7.39	1.48	52.1	0.05	110.5	0.03	0.002
	<b>Minimum</b>	0	0	0	0	12	7.09	0.89	51	0.05	108	0.03	0.002

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4-Apr-16	3533 Hebert	0	0	0	0	9	6.80	1.19	48.9	0.05	103.6	0.01	0.008
12-Apr-16	3537 Harris	0	0	0	0	10	7.00	1.04	49.0	0.05	103.5		
19-Apr-16	3564 Foxglove	0	0	0	0	10	7.04	1.45	52.2	0.05	110.6		
25-Apr-16	844 Carson	0	0	0	0		7.07	1.08	55.9	0.06	118.4		
	<b>Average</b>	0	0	0	0	9.7	7.0	1.19	51.5	0.1	109.0	0.01	0.008
	<b>Maximum</b>	0	0	0	0	10	7.07	1.45	55.9	0.06	118.4	0.01	0.008
	<b>Minimum</b>	0	0	0	0	9	6.8	1.04	48.9	0.05	103.5	0.01	0.008

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1-Mar-16	3533 Hebert	0	0	0	0	7	6.81	1.31	51.8	0.05	109.6	0.04	0.008
8-Mar-16	3537 Harris	0	0	0	0	8	6.64	1.33	56.0	0.06	118.3		
15-Mar-16	3564 Foxglove	0	0	0	0	8	6.84	1.36	52.0	0.05	110.2		
22-Mar-16	844 Carson	0	0	0	0	7	6.98	0.79	53.8	0.05	113.8		
29-Mar-16	3564 Foxglove	0	0	0	0	9	7.08	1.33	50.6	0.50	107.3		
	<b>Average</b>	0	0	0	0	7.8	6.9	1.22	52.8	0.1	111.8	0.04	0.008
	<b>Maximum</b>	0	0	0	0	9	7.08	1.36	56	0.5	118.3	0.04	0.008
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2-Feb-16	3533 Hebert	0	0	0	0	7	6.71	1.32	54.2	0.05	115.3	0.02	0.007
9-Feb-16	3537 Harris	0	0	0	0	7	6.89	1.11	52.6	0.05	111.4		
16-Feb-16	3564 Foxglove	0	0	0	0	7.5	6.86	0.98	59.0	0.06	124.3		
23-Feb-16	844 Carson	0	0	0	0	7	7.03	0.81	60.6	0.06	127.5		
	<b>Average</b>	0	0	0	0	7.1	6.9	1.06	56.6	0.1	119.6	0.02	0.007
	<b>Maximum</b>	0	0	0	0	7.5	7.03	1.32	60.6	0.06	127.5	0.02	0.007
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4-Jan-16	3533 Hebert	0	0	0	0	8	6.88	1.11	50.3	0.05	106.7	0.02	0.009
12-Jan-16	3537 Harris	0	0	0	0	7	7.06	1.54	52.9	0.05	112.3		
20-Jan-16	3564 Foxglove	0	0	0	0	8	6.77	1.41	66.5	0.07	140.3		
26-Jan-16	844 Carson	0	0	0	0	8	6.95	1.03	72.5	0.07	153.1		
	<b>Average</b>	0	0	0	0	7.8	6.9	1.27	60.6	0.1	128.1	0.02	0.009
	<b>Maximum</b>	0	0	0	0	8	7.06	1.54	72.5	0.07	153.1	0.02	0.009
	<b>Minimum</b>	0	0	0	0	7	6.77	1.025	50.3	0.05	106.7	0.02	0.009

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