



# Regional District of Nanaimo - Water Services Department

## Whiskey Creek Water Analysis - 2019 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)
2-Oct-19	3537 Harris	0	0	0	0	15	7.21	1.24	65.7	0.06	138.9	0.07	0.001
Average		0	0	0	0	15.0	7.2	1.24	65.7	0.06	138.9	0.07	0.001
Maximum		0	0	0	0	15.0	7.21	1.24	65.7	0.06	138.9	0.07	0.001
Minimum		0	0	0	0	15	7.21	1.24	65.7	0.06	138.9	0.07	0.001

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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3-Sep-19	3537 Harris Cres	0	0	0	0	15	7.51	0.83	64.4	0.06	136.1	0.03	0.008
9-Sep-19	844 Carson	0	0	0	0	15	7.68	0.92	70.2	0.07	148.1		
18-Sep-19	3564 Foxglove	0	0	0	0	17	7.44	0.94	71.2	0.07	150.2		
25-Sep-19	3537 Hebert	0	0	0	0	15	7.42	1.67	72.6	0.07	153.7		
	Average	0	0	0	0	15.5	7.5	1.09	69.6	0.07	147.0	0.03	0.008
	Maximum	0	0	0	0	17	7.68	1.67	72.6	0.07	153.7	0.03	0.008
	Minimum	0	0	0	0	15	7.42	0.83	64.4	0.06	136.1	0.03	0.008

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6-Aug-19	3533 Hebert	0	0	0	0	17	7.16	1.10	68.8	0.07	145.2	0.01	0.021
13-Aug-19	3537 Harris	0	0	0	0	18	7.02	1.27	71.3	0.07	150.5		
19-Aug-19	844 Carson	0	0	0	0	16	7.46	1.08	70.3	0.07	148.3		
26-Aug-19	3564 Foxglove	0	0	0	0	15	7.28	1.31	65.9	0.07	139.7		
	Average	0	0	0	0	16.5	7.2	1.19	69.1	0.07	145.9	0.01	0.021
	Maximum	0	0	0	0	18	7.46	1.31	71.3	0.07	150.5	0.01	0.021
	Minimum	0	0	0	0	15	7.02	1.08	65.9	0.07	139.7	0.01	0.021

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2-Jul-19	3533 Hebert	0	0	0	0	16	7.02	1.45	68.3	0.07	144.1	0.03	0.008
9-Jul-19	3537 Harris	0	0	0	0	17	7.45	1.22	69.2	0.07	146.1		
16-Jul-19	844 Carson	0	0	0	0	16	7.08	1.05	66.8	0.07	141.1		
23-Jul-19	3564 Foxglove	0	0	0	0	18	7.02	1.40	79.9	0.08	168.5		
30-Jul-19	844 Carson			0	0	14	7.21	0.93	68.8	0.07	145.2		
	Average	0	0	0	0	16.2	7.2	1.21	70.6	0.07	149.0	0.03	0.008
	Maximum	0	0	0	0	18	7.45	1.45	79.9	0.08	168.5	0.03	0.008
	Minimum	0	0	0	0	14	7.02	0.93	66.8	0.07	141.1	0.03	0.008

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3-Jun-19	3533 Hebert	0	0	0	0	14	7.05	1.23	65.8	0.07	139.1	0.01	0.024
10-Jun-19	3537 Harris	0	0	0	0	15	7.06	1.32	65.7	0.06	138.7		
18-Jun-19	3564 Foxglove	0	0	0	0	15	7.09	1.03	69.9	0.07	150.1		
18-Jun-19	844 Carson	0	0	0	0	14	7.12	1.30	70.2	0.07	148.2		
26-Jun-19	Wet Well						7.24		54.5	0.05	115.3		
	Average	0	0	0	0	14.5	7.1	1.22	65.2	0.06	138.3	0.01	0.024
	Maximum	0	0	0	0	15	7.24	1.32	70.2	0.07	150.1	0.01	0.024
	Minimum	0	0	0	0	14	7.05	1.03	54.5	0.05	115.3	0.01	0.024

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Aesthetic Objective for Iron is  $\leq 0.3$  mg/L

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6-May-19	3533 Hebert	0	0	0	0	11	7.61	1.29	66.3	0.07	140.0	0.08	0.007
13-May-19	3537 Harris	0	0	0	0	10	6.85	1.41	67.0	0.07	141.4		
21-May-19	3564 Foxglove	0	0	0	0	11	7.00	1.20	68.0	0.05	111.0		
21-May-19	844 Carson	0	0	0	0	10	7.02	1.23	67.6	0.05	112.1		
27-May-19	844 Carson			0	0	11	6.84	1.09	67.9	0.07	143.3		
	Average	0	0	0	0	10.6	7.1	1.24	67.4	0.06	129.6	0.08	0.007
	Maximum	0	0	0	0	11	7.61	1.41	68.0	0.07	143.3	0.08	0.007
	Minimum	0	0	0	0	10	6.84	1.09	66.3	0.05	111	0.08	0.007

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1-Apr-19	3533 Hebert	0	0	0	0	8	7.31	1.44	69.8	0.07	147.4	0.03	0.000
1-Apr-19	3564 Foxglove	0	0	0	0	8		1.40					
8-Apr-19	3537 Harris	0	0	0	0	9	7.72	1.16	66.2	0.07	139.9		
15-Apr-19	844 Carson	0	0	0	0	9	7.63	1.26	69.0	0.07	145.9		
23-Apr-19	3533 Hebert			0	0	9	7.55	1.39	71.0	0.07	149.8		
29-Apr-19	3537 Harris			0	0	9	7.60	1.57	67.6	0.07	142.8		
	<b>Average</b>	0	0	0	0	8.7	7.6	1.37	68.7	0.07	145.2	0.03	0
	<b>Maximum</b>	0	0	0	0	9	7.72	1.57	71	0.07	149.8	0.03	0
	<b>Minimum</b>	0	0	0	0	8	7.31	1.16	66.2	0.07	139.9	0.03	0

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5-Mar-19	3533 Hebert	0	0	0	0	6	7.16	1.20	67.6	0.07	142.8	0.00	0.000
11-Mar-19	3564 Foxglove	0	0	0	0		7.70	1.15	74.5	0.07	157.2		
11-Mar-19	Wet Well			0	0								
18-Mar-19	844 Carson	0	0	0	0	6	7.54	1.13	68.4	0.07	144.2		
25-Mar-19	3537 Carson	0	0	0	0	7	7.91	1.64	69.1	0.07	145.9		
	Average	0	0	0	0	6.3	7.6	1.28	69.9	0.07	147.5	0.00	0.000
	Maximum	0	0	0	0	7	7.91	1.64	74.5	0.07	157.2	0.00	0.000
	Minimum	0	0	0	0	6	7.16	1.13	67.6	0.07	142.8	0.00	0.000

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4-Feb-19	3533 Hebert	0	0	0	0	6	7.29	1.26	89.1	0.06	125.1		
11-Feb-19	844 Carson	0	0	0	0	5	7.35	1.17	64.9	0.06	137.2	0.03	0.008
19-Feb-19	3564 Foxglove	0	0	0	0		7.45	1.04	68.8	0.07	145.3		
19-Feb-19	3537 Harris	0	0	0	0		7.35	1.31	65.1	0.06	137.5		
	Average	0	0	0	0	5.5	7.4	1.20	72.0	0.06	136.3	0.03	0.008
	Maximum	0	0	0	0	6	7.45	1.31	89.1	0.07	145.3	0.03	0.008
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7-Jan-19	3533 Herbert	0	0	0	0	8	7.21	1.13	53.5	0.05	113.4	0.01	0.031
14-Jan-19	844 Carson	0	0	0	0	7	7.35	1.58	56.0	0.06	118.5		
14-Jan-19	Treated			0	0	8	7.19	2.01	52.7	0.05	111.5		
21-Jan-19	3564 Foxglove	0	0	0	0	9	6.85	0.81	54.2	0.05	114.8		
28-Jan-19	3537 Harris	0	0	0	0	7	6.98	1.57	58.0	0.07	120.0		
	Average	0	0	0	0	8	7.1	1.42	54.9	0.06	115.6	0.01	0.031
	Maximum	0	0	0	0	9	7.35	2.01	58	0.07	120.0	0.01	0.031
	Minimum	0	0	0	0	7	6.85	0.81	52.7	0.05	111.5	0.01	0.031

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