



Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2017 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)
4-Dec-17	3533 Hebert	0	0	0	0	7.5	6.53	1.21	56.9	0.06	120.1	0.02	0.000
4-Dec-17	3537 Harris	0	0	0	0	8	6.43	1.02	57.6	0.06	121.8		
12-Dec-17	3564 Foxglove	0	0	0	0	9	6.80	1.31	56.2	0.06	118.6		
	Average	0	0	0	0	8.2	6.6	1.18	56.9	0.06	120.2	0.02	0.000
	Maximum	0	0	0	0	9.0	6.8	1.31	57.6	0.06	121.8	0.02	0.000
	Minimum	0	0	0	0	7.5	6.43	1.02	56.2	0.06	118.6	0.02	0.000

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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8-Nov-17	3533 Hebert	0	0	0	0	9	6.89	1.39	63.3	0.06	134.3	0.02	0.000
15-Nov-17	3537 Harris		A*	0	0	9.5	6.94	0.78	89.0	0.09	187.0		
21-Nov-17	3564 Foxglove	0	0	0	0	11	6.78	1.00	94.1	0.09	197.7		
27-Nov-17	844 Carson	0	0	0	0	10	6.63	1.25	68.9	0.01	145.6		
	Average	0	0	0	0	9.9	6.8	1.11	78.8	0.06	166.2	0.02	0.000
	Maximum	0	0	0	0	11	6.94	1.39	94.1	0.09	197.7	0.02	0.000
	Minimum	0	0	0	0	9.0	6.63	0.78	63.3	0.007	134.3	0.02	0.000

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A*: Sample not tested; too long in transit



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3-Oct-17	3533 Hebert	0	0	0	0	15	7.13	1.17	55.4	0.05	117.3	0.01	0.016
11-Oct-17	3537 Harris	0	0	0	0	14	7.02	1.22	57.5	0.06	122.0		
16-Oct-17	3564 Foxglove	0	0	0	0	15	7.17	1.46	57.4	0.06	121.4		
24-Oct-17	844 Carson	0	0	0	0	11.5	7.03	1.72	99.9	0.10	210.5		
	Average	0	0	0	0	13.9	7.1	1.39	67.6	0.07	142.8	0.01	0.016
	Maximum	0	0	0	0	15.0	7.17	1.72	99.9	0.10	210.5	0.01	0.016
	Minimum	0	0	0	0	11.5	7.02	1.17	55.4	0.05	117.3	0.01	0.016

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6-Sep-17	3533 Hebert	0	0	0	0	17	7.19	1.15	54.7	0.05	115.9	0.01	0.029
11-Sep-17	3537 Harris	0	0	0	0	16	6.80	1.22	54.4	0.05	115.1		
18-Sep-17	3564 Foxglove	0	0	0	0	16	7.36	1.41	55.8	0.06	118.2		
25-Sep-17	844 Carson	0	0	0	0	14	7.29	1.21	60.3	0.06	127.5		
	Average	0	0	0	0	15.8	7.2	1.25	56.3	0.06	119.2	0.01	0.029
	Maximum	0	0	0	0	17	7.36	1.41	60.3	0.06	127.5	0.01	0.029
	Minimum	0	0	0	0	14	6.8	1.15	54.4	0.05	115.1	0.01	0.029

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1-Aug-17	3533 Hebert	0	0	0	0	16	6.85	0.77	49.7	0.05	105.2	0.01	0.011
8-Aug-17	3537 Harris	0	0	0	0	16	7.36	1.38	54.1	0.05	114.4		
16-Aug-17	3564 Foxglove	0	0	0	0	17	7.31	1.09	55.4	0.05	117.4		
22-Aug-17	844 Carson	0	0	0	0	17	7.16	1.36	55.2	0.05	116.7		
30-Aug-17	3564 Foxglove	0	0	0	0	18	7.27	1.36	58.3	0.06	123.3		
	Average	0	0	0	0	16.8	7.2	1.19	54.5	0.05	115.4	0.01	0.011
	Maximum	0	0	0	0	18	7.36	1.38	58.3	0.06	123.3	0.01	0.011
	Minimum	0	0	0	0	16	6.85	0.77	49.7	0.05	105.2	0.01	0.011

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4-Jul-17	3533 Hebert	0	0	0	0		7.11	1.00	49.0	0.05	104.0	0.03	0.058
11-Jul-17	3537 Harris	0	0	0	0	13	7.22	1.21	49.0	0.05	103.9		
17-Jul-17	3564 Foxglove	0	0	0	0	16	7.18	0.80	50.3	0.05	106.9		
25-Jul-17	844 Carson	0	0	0	0	15	7.04	1.08	53.2	0.05	112.7		
	Average	0	0	0	0	14.7	7.1	1.02	50.4	0.05	106.9	0.03	0.058
	Maximum	0	0	0	0	16	7.22	1.21	53.2	0.05	112.7	0.03	0.058
	Minimum	0	0	0	0	13	7.04	0.80	49.0	0.05	103.9	0.03	0.058

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7-Jun-17	3533 Hebert	0	0			12	6.86	1.32	52.3	0.05	110.9	0.01	0.016
12-Jun-17	3537 Harris	0	0			12	7.18	1.30	53.5	0.05	113.3		
19-Jun-17	844 Carson	0	0			11		1.10					
26-Jun-17	3564 Foxglove	0	0			13	7.06	0.91	53.1	0.05	112.5		
	Average	0	0	#DIV/0!	#DIV/0!	12.0	7.0	1.16	53.0	0.05	112.2	0.01	0.016
	Maximum	0	0	0	0	13	7.18	1.32	53.5	0.05	113.3	0.01	0.016
	Minimum	0	0	0	0	11	6.86	0.91	52.3	0.05	110.9	0.01	0.016

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1-May-17	3537 Harris	0	0			11	7.04	1.21	52.5	0.05	111.2		
8-May-17	3533 Hebert	0	0	0	0	10	6.68	1.68	51.4	0.05	109.5	0.02	0.000
15-May-17	3564 Foxglove	0	0	0	0	10	6.96	1.06	55.0	0.05	115.9		
24-May-17	844 Carson	0	0			10	7.03	1.10	54.0	0.05	114.5		
	Average	0	0	0	0	10.3	6.9	1.26	53.2	0.05	112.8	0.02	0.000
	Maximum	0	0	0	0	11	7.04	1.68	55.0	0.05	115.9	0.02	0.000
	Minimum	0	0	0	0	10	6.68	1.06	51.4	0.05	109.5	0.02	0.000

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3-Apr-17	3533 Hebert	0	0			7	6.90	1.41	51.9	0.05	110.0	0.00	0.016
10-Apr-17	3537 Harris	0	0			8	6.65	1.46	58.2	0.06	123.1		
19-Apr-17	3564 Foxglove	0	0			8	6.75	1.14	59.7	0.06	126.4		
25-Apr-17	844 Carson	0	0			8	6.81	1.17	60.4	0.06	128.0		
	Average	0	0	#DIV/0!	#DIV/0!	7.8	6.8	1.30	57.6	0.06	121.9	0.00	0.016
	Maximum	0	0	0	0	8	6.90	1.46	60.4	0.06	128.0	0.00	0.016
	Minimum	0	0	0	0	7	6.65	1.14	51.9	0.05	110.0	0.00	0.016

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15-Mar-17	3533 Hebert	0	0	0	0	4.5	6.52	0.68	49.9	0.05	106.5	0.04	0.027
15-Mar-17	3537 Harris	0	0	0	0	5	6.79	1.04	53.1	0.05	111.1		
21-Mar-17	3564 Foxglove	0	0	0	0	7	6.64	1.20	53.9	0.05	113.9		
28-Mar-17	844 Carson	0	0	0	0	7	6.90	1.13	56.9	0.06	119.9		
	Average	0	0	0	0	5.9	6.7	1.01	53.5	0.05	112.9	0.04	0.027
	Maximum	0	0	0	0	7	6.9	1.20	56.9	0.06	119.9	0.04	0.027
	Minimum	0	0	0	0	4.5	6.52	0.68	49.9	0.05	106.5	0.04	0.027

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14-Feb-17	3537 Harris	0	0	0	0	5	6.99	1.33	53.3	0.05	111.9		
21-Feb-17	3564 Foxglove	0	0	0	0	7	6.74	1.02	56.3	0.06	119.6		
21-Feb-17	3533 Hebert	0	0	0	0	5	6.71	1.09	63.0	0.07	134.4		
27-Feb-17	844 Carson	0	0	0	0	7	6.86	1.70	56.3	0.06	119.3		
	Average	0	0	0	0	6.0	6.8	1.29	57.2	0.06	121.3	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	7	6.99	1.70	63.0	0.07	134.4	0	0
	Minimum	0	0	0	0	5	6.71	1.02	53.3	0.05	111.9	0	0

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3-Jan-17	3533 Hebert	0	0	0	0	7	7.01	1.19	61.9	0.06	129.0	0.07	0.081
17-Jan-17	3537 Harris	0	0	0	0	4	6.99	1.20	50.4	0.05	106.9		
24-Jan-17	3564 Foxglove	0	0	0	0	6	7.09	1.14	55.9	0.06	118.1		
31-Jan-17	844 Carson	0	0	0	0	7	6.94	1.08	54.0	0.05	113.9		
	Average	0	0	0	0	6	7.0	1.15	55.6	0.06	117.0	0.07	0.081
	Maximum	0	0	0	0	7	7.09	1.20	61.9	0.06	129.0	0.07	0.081
	Minimum	0	0	0	0	4	6.94	1.08	50.4	0.05	106.9	0.07	0.081

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