



Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2021 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer									
Date	Sample Location (Address)	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)
07-Dec-21	3537 Harris			0	0	8	7.06	0.70	63.0	0.05	120.1	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
07-Dec-21	Temp Supply Main			0	0	6	7.11	1.12	31.1	0.03	66.1		
14-Dec-21	979 Poplar			0	0	9	7.12	1.05	30.4	0.03	64.9		
14-Dec-21	844 Carson			0	0	9	7.12	0.76	29.4	0.03	62.5		
14-Dec-21	3533 Hebert			0	0	9		0.94					
14-Dec-21	3564 Foxglove			0	0	9		0.79					
20-Dec-21	844 Carson			0	0	8	7.32	0.72	38.6	0.04	81.9		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

Legend:

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

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Iron and Manganese are no longer being tested in-house.

A full potability scan is completed once per year at an external lab that includes metals and minerals.



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01-Nov-21	3537 Harris	0	0	0	0	11	7.56	1.23	67.8	0.07	143.1	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
08-Nov-21	844 Carson	0	0	0	0	10	7.35	0.71	220.0	0.22	460.0		
15-Nov-21	3533 Hebert			0	0	9	7.27	1.05	54.4	0.05	115.2		
22-Nov-21	3564 Foxglove			0	0	8	7.45	1.20	59.2	0.06	125.3		
29-Nov-21	844 Carson			0	0	9	7.04	0.95	62.1	0.06	131.4		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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05-Oct-21	3537 Harris	0	0	0	0	15	7.31	1.21	58.7	0.06	124.2	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
13-Oct-21	3564 Foxglove	0	0	0	0	15	7.55	1.38	74.2	0.07	156.8		
18-Oct-21	844 Carson	0	0	0	0	13	7.28	1.04	78.0	0.08	163.4		
25-Oct-21	3533 Hebert	0	0	0	0	13	7.23	1.00	72.0	0.07	153.3		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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07-Sep-21	3537 Harris	0	0	0	0	15	7.24	1.16	75.1	0.07	149.9	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
13-Sep-21	844 Carson	0	0	0	0	15	7.26	0.88	73.1	0.07	150.1		
20-Sep-21	3564 Foxglove	0	0	0	0	14	7.50	1.07	66.8	0.07	141.2		
27-Sep-21	3533 Hebert	0	0	0	0	15	7.54	1.33	71.8	0.07	151.4		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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03-Aug-21	3537 Harris	0	0	0	0		7.12	0.73	62.1	0.06	131.4	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
09-Aug-21	844 Carson	0	0	0	0	17	7.18	0.76	61.8	0.06	130.7		
09-Aug-21	3564 Foxglove	0	0	0	0	17	7.19	0.74	62.9	0.06	128.2		
16-Aug-21	3533 Hebert	0	0	0	0	18	7.27	1.22	62.5	0.06	132.1		
23-Aug-21	3533 Hebert			0	0	19	7.34	0.91	61.1	0.06	129.4		
30-Aug-21	844 Carson			0	0	17	7.29	0.64	72.1	0.07	151.9		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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06-Jul-21	3537 Harris	0	0	0	0	17.5	6.78	0.02	60.8	0.21	128.7	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
12-Jul-21	844 Carson	0	0	0	0	16	7.06	0.93	62.7	0.06	132.5		
19-Jul-21	3564 Foxglove	0	0	0	0	17	7.30	1.37	60.7	0.06	128.3		
27-Jul-21	3533 Hebert	0	0	0	0	18	7.65	1.34	63.3	0.06	133.8		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

Legend:

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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01-Jun-21	3537 Harris	0	0	0	0	12	7.49	1.55	58.1	0.06	123.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
07-Jun-21	844 Carson	0	0	0	0	12	7.38	1.04	60.7	0.06	128.4		
14-Jun-21	3564 Foxglove	0	0	0	0	12	7.41	1.06	57.4	0.06	121.4		
21-Jun-21	3533 Hebert	0	0	0	0	15	7.19	1.01	59.7	0.06	126.9		
29-Jun-21	844 Carson	0	0	0	0	16	7.02	0.99	60.3	0.06	127.3		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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03-May-21	3537 Harris	0	0	0	0	10	7.22	1.34	58.6	0.06	123.9	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
10-May-21	844 Carson	0	0	0	0	9	7.40	0.87	59.5	0.06	125.9		
17-May-21	3564 Foxglove	0	0	0	0	11	7.15	0.89	58.5	0.06	124.0		
25-May-21	3533 Hebert	0	0	0	0	13	7.20	1.89	59.1	0.06	126.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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06-Apr-21	3537 Harris	0	0	0	0	8	7.38	1.04	54.6	0.05	115.9	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
12-Apr-21	844 Carson	0	0	0	0	8	7.34	0.82	56.0	0.06	118.7		
19-Apr-21	3564 Foxglove	0	0	0	0	9	7.39	0.79	53.2	0.05	112.8		
26-Apr-21	3533 Hebert	0	0	0	0	10	7.35	1.23	56.7	0.06	120.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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03-Mar-21	3537 Harris	0	0	0	0	7	7.34	1.37	54.1	0.05	111.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
08-Mar-21	3533 Hebert	0	0	0	0	8	7.01	1.28	66.6	0.08	128.4		
15-Mar-21	3564 Foxglove	0	0	0	0	6	7.42	0.83	57.0	0.06	120.7		
22-Mar-21	3533 Hebert	0	0	0	0	7	7.50	0.67	64.0	0.06	119.9		
28-Mar-21	3533 Hebert			0	0	7	7.39	0.89	58.2	0.06	122.9		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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03-Feb-21	3537 Harris	0	0	0	0	8	6.79	1.45	52.6	0.05	111.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
08-Feb-21	844 Carson	0	0	0	0	7	6.89	0.78	55.9	0.06	118.2		
17-Feb-21	3564 Foxglove	0	0	0	0	6	7.50	1.18	55.7	0.05	117.1		
22-Feb-21	3533 Hebert	0	0	0	0	8	7.44	0.97	48.4	0.05	104.6		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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06-Jan-21	3564 Foxglove	0	0	0	0	8	6.92	0.84	56.9	0.06	120.3	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at https://www.rdn.bc.ca/whiskey-creek	
11-Jan-21	844 Carson	0	0	0	0	8	6.63	1.48	53.9	0.05	114.1		
11-Jan-21	3533 Hebert	0	0	0	0	8	6.66	1.53	56.0	0.05	116.0		
18-Jan-21	3537 Harris	0	0	0	0	8	6.62	1.49	50.3	0.05	106.7		
25-Jan-21	3564 Foxglove			0	0	6	7.20	1.38	217.0	0.22	453.0		
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