



Regional District of Nanaimo - Water Services Department

Westurne Heights Water Analysis - 2020 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-May-20	Well Head	0	0	0	0	9	7.23	0.42	45.9	0.05	97.4	0.14	0.001
11-May-20	1263 Westurne Heights	0	0	0	0	11	7.58	0.44	46.0	0.05	97.5		
	Average	0	0	0	0	10.0	7.4	0.43	45.95	0.05	97.5	0.14	0.001
	Maximum	0	0	0	0	11	7.58	0.44	46	0.05	97.5	0.14	0.001
	Minimum	0	0	0	0	9	7.23	0.42	45.9	0.05	97.4	0.14	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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6-Apr-20	Well Head	0	0	0	0	8	7.08	0.40	54.9	0.05	120.1	0.13	0.007
14-Apr-20	1263 Westurne Heights	0	0	0	0	9	7.29	0.48	45.5	0.04	96.5		
20-Apr-20	Well Head	0	0	0	0	9	7.38	0.45	45.6	0.04	96.9		
27-Apr-20	1252 Westurne Heights	0	0	0	0	9	7.05	0.50	45.9	0.05	97.3		
	Average	0	0	0	0	8.8	7.2	0.46	48.0	0.05	102.7	0.13	0.007
	Maximum	0	0	0	0	9	7.38	0.5	54.9	0.05	120.1	0.13	0.007
	Minimum	0	0	0	0	8	7.05	0.40	45.5	0.04	96.5	0.13	0.007

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2-Mar-20	Well Head	0	0	0	0	8	6.99	0.39	55.3	0.05	117.0	0.13	0.024
9-Mar-20	1263 Westurne Heights	0	0	0	0	5	7.50	0.50	46.2	0.05	98.0		
16-Mar-20	Well Head	0	0	0	0	8	7.31	0.50	45.9	0.05	97.4		
23-Mar-20	1252 Westurne Heights	0	0	0	0	6	7.62	0.50	45.6	0.05	96.8		
30-Mar-20	Well Head			0	0	8	7.25	0.86	46.4	0.05	98.4		
	Average	0	0	0	0	7.0	7.3	0.55	47.9	0.05	101.5	0.13	0.024
	Maximum	0	0	0	0	8	7.62	0.86	55.3	0.05	117.0	0.13	0.024
	Minimum	0	0	0	0	5	6.99	0.39	45.6	0.05	96.8	0.13	0.024

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3-Feb-20	Well Head	0	0	0	0	8	7.02	0.38	50.0	0.05	98.9	0.10	0.019
10-Feb-20	1263 Westurne Heights	0	0	0	0	5	7.64	0.40	47.8	0.05	100.9		
18-Feb-20	Well Head	0	0	0	0	8	7.14	0.39	47.1	0.05	99.9		
24-Feb-20	1252 Westurne Heights	0	0	0	0	5	7.08	0.44	46.7	0.01	99.0		
	Average	0	0	0	0	6.5	7.2	0.40	47.9	0.04	99.7	0.10	0.019
	Maximum	0	0	0	0	8	7.64	0.44	50	0.05	100.9	0.10	0.019
	Minimum	0	0	0	0	5	7.02	0.38	46.7	0.005	98.9	0.10	0.019

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6-Jan-20	Well Head	0	0	0	0	8	7.01	0.39	47.0	0.05	99.8	0.11	0.043
13-Jan-20	1263 Westurne Heights	0	0	0	0	5	7.08	0.35	47.6	0.05	100.9		
20-Jan-20	Well Head	0	0	0	0	8	7.09	0.37	50.0	0.05	99.7		
28-Jan-20	1252 Westurne Heights	0	0	0	0	6	6.99	0.48	46.6	0.05	99.1		
	Average	0	0	0	0	6.8	7.0	0.40	47.8	0.05	99.9	0.11	0.043
	Maximum	0	0	0	0	8	7.09	0.48	50	0.05	100.9	0.11	0.043
	Minimum	0	0	0	0	5	6.99	0.35	46.6	0.05	99.1	0.11	0.043

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