

Regional District of Nanaimo - Water Services Department

Melrose Terrace 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)
1-Oct-19	3927 Melrose	0	0	0	0	16	7.46	0.04	218.4	0.22	452.0	0.05	0.007
7-Oct-19	3927 Melrose			0	0	14	7.16	0.04	217.6	0.22	451.0		
	Average	0	0	0	0	15.0	7.3	0.04	218.0	0.22	451.5	0.05	0.007
	Maximum	0	0	0	0	16	7.46	0.04	218.4	0.22	452.0	0.05	0.007
	Minimum	0	0	0	0	14	7.16	0.04	217.6	0.22	451.0	0.05	0.007

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	3927 Melrose	0	0	0	0	16	7.40	0.02	223.0	0.22	462.0	0.06	0.024
9-Sep-19	3927 Melrose			0	0	19	7.50	0.01	221.0	0.22	458.0		
18-Sep-19	3927 Melrose			0	0	16	7.56	0.03	223.0	0.22	463.0		
25-Sep-19	3927 Melrose			0	0	17	6.82	0.01	214.0	0.21	442.0		
	Average	0	0	0	0	17.0	7.3	0.02	220.3	0.22	456.3	0.06	0.024
	Maximum	0	0	0	0	19	7.56	0.03	223.0	0.22	463.0	0.06	0.024
	Minimum	0	0	0	0	16	6.82	0.01	214.0	0.21	442.0	0.06	0.024

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6-Aug-19	3927 Melrose	0	0	0	0	18	7.21	0.04	209.7	0.21	435.0	0.05	0.015
13-Aug-19	3927 Melrose			0	0	19	7.36	0.02	206.0	0.21	428.0		
19-Aug-19	3927 Melrose			0	0	19	7.42	0.02	216.2	0.22	448.0		
27-Aug-19	3927 Melrose			0	0	17	7.48	0.02	220.0	0.22	456.0		
	Average	0	0	0	0	18.3	7.4	0.03	213.0	0.22	441.8	0.05	0.015
	Maximum	0	0	0	0	19	7.48	0.04	220.0	0.22	456.0	0.05	0.015
	Minimum	0	0	0	0	17	7.21	0.02	206.0	0.21	428.0	0.05	0.015

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2-Jul-19	3927 Melrose	0	0	0	0	17	6.97	0.02	218.0	0.22	451.0	0.07	0.010
9-Jul-19	3927 Melrose			0	0	18	7.10	0.04	218.4	0.22	248.0		
16-Jul-19	3927 Melrose			0	0	18	7.24	0.03	219.0	0.22	454.0		
23-Jul-19	3927 Melrose			0	0	18	6.99	0.01	230.0	0.23	477.0		
30-Jul-19	3927 Melrose			0	0	19	7.02	0.02	243.0	0.24	503.0		
	Average	0	0	0	0	18.0	7.1	0.02	225.7	0.23	426.6	0.07	0.010
	Maximum	0	0	0	0	19	7.24	0.04	243.0	0.24	503.0	0.07	0.010
	Minimum	0	0	0	0	17	6.97	0.01	218.0	0.22	248.0	0.07	0.010

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3-Jun-19	3927 Melrose			0	0	16	7.17	0.03	217.8	0.22	451.0	0.05	0.015
10-Jun-19	3927 Melrose	0	0	0	0	16	7.14	0.04	217.7	0.22	451.0		
18-Jun-19	3927 Melrose			0	0	17	7.20	0.04	219.0	0.22	454.0		
26-Jun-19	3927 Melrose					17	7.20	0.04	216.0	0.21	447.0		
	Average	0	0	0	0	16.5	7.2	0.04	217.6	0.22	450.8	0.05	0.015
	Maximum	0	0	0	0	17	7.2	0.04	219.0	0.22	454.0	0.05	0.015
	Minimum	0	0	0	0	16	7.14	0.03	216.0	0.21	447.0	0.05	0.015

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6-May-19	3927 Melrose	0	0	0	0	10	7.60	0.02	218.0	0.22	451.0	0.02	0.010
13-May-19	3927 Melrose			0	0	11	7.12	0.02	214.0	0.21	443.0		
21-May-19	3927 Melrose			0	0	13	7.10	0.02	220.0	0.21	440.0		
27-May-19	3927 Melrose			0	0	15	7.07	0.04	219.8	0.22	455.0		
	Average	0	0	0	0	12.3	7.22	0.03	218.0	0.22	447.3	0.02	0.010
	Maximum	0	0	0	0	15	7.6	0.04	220.0	0.22	455.0	0.02	0.010
	Minimum	0	0	0	0	10	7.07	0.02	214.0	0.21	440.0	0.02	0.010

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1-Apr-19	3927 Melrose	0	0	0	0	8	7.33	0.02	214.0	0.21	443.0	0.08	0.000
8-Apr-19	3927 Melrose			0	0	9	7.83	0.02	212.0	0.21	438.0		
15-Apr-19	3927 Melrose			0	0	9	7.77	0.01	215.0	0.22	444.0		
23-Apr-19	3927 Melrose			0	0	9	7.58	0.02	224.0	0.22	463.0		
29-Apr-19	3927 Melrose			0	0	10	7.74	0.02	223.0	0.22	462.0		
	Average	0	0	0	0	9.0	7.7	0.02	217.6	0.22	450.0	0.08	0
	Maximum	0	0	0	0	10	7.83	0.02	224.0	0.22	463.0	0.08	0
	Minimum	0	0	0	0	8	7.33	0.01	212.0	0.21	438.0	0.08	0

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5-Mar-19	3927 Melrose	0	0	0	0	5	7.24	0.01	209.0	0.21	434.0	0.02	0.010
11-Mar-19	3927 Melrose			0	0		7.72	0.01	208.0	0.21	432.0		
18-Mar-19	3927 Melrose			0	0	5	7.51	0.02	208.0	0.21	432.0		
27-Mar-19	3927 Melrose			0	0	7	8.00	0.01	213.0	0.21	441.0		
	Average	0	0	0	0	5.7	7.6	0.01	209.5	0.21	434.8	0.02	0.010
	Maximum	0	0	0	0	7	8	0.02	213.0	0.21	441.0	0.02	0.010
	Minimum	0	0	0	0	5	7.24	0.01	208.0	0.21	432.0	0.02	0.010

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4-Feb-19	3927 Melrose	0	0	0	0	6	7.47	0.02	227.0	0.23	471.0		
11-Feb-19	3927 Melrose			0	0	7	7.34	0.02	219.0	0.22	454.0	0.01	0.036
19-Feb-19	3927 Melrose			0	0		7.33	0.02	220.0	0.22	456.0		
25-Feb-19	3927 Melrose			0	0	5	7.24	0.02	215.0	0.21	446.0		
	Average	0	0	0	0	6.0	7.3	0.02	220.3	0.22	456.8	0.01	0.036
	Maximum	0	0	0	0	7	7.47	0.02	227.0	0.23	471.0	0.01	0.036
	Minimum	0	0	0	0	5	7.24	0.02	215.0	0.21	446.0	0.01	0.036

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7-Jan-19	3927 Melrose	0	0	0	0	6	7.51	0.01	230.0	0.23	476.0	0.08	0.029
14-Jan-19	3927 Melrose	0	0	0	0	7	7.55	0.02	236.0	0.24	487.0		
21-Jan-19	3927 Melrose			0	0	6	7.45	0.02	234.0	0.23	484.0		
28-Jan-19	3927 Melrose			0	0	8	7.46	0.01	239.0	0.28	489.0		
	Average	0	0	0	0	7	7.5	0.02	234.8	0.25	484.0	0.08	0.029
	Maximum	0	0	0	0	8	7.55	0.02	239.0	0.28	489.0	0.08	0.029
	Minimum	0	0	0	0	6	7.45	0.01	230.0	0.23	476.0	0.08	0.029

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