



Regional District of Nanaimo - Water Services Department

Melrose Terrace 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	3927 Melrose	0	0	0	0	11	7.10	0.03	220.0	0.22	456.0	0.07	0.015
11-May-20	3927 Melrose			0	0	11	7.19	0.02	222.0	0.20	441.0		
	Average	0	0	0	0	11.0	7.15	0.03	221.0	0.21	448.5	0.07	0.015
	Maximum	0	0	0	0	11	7.19	0.03	222.0	0.22	456.0	0.07	0.015
	Minimum	0	0	0	0	11	7.1	0.02	220.0	0.2	441.0	0.07	0.015

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	3927 Melrose	0	0	0	0	8	7.23	0.02	220.0	0.22	444.0	0.07	0.011
14-Apr-20	3927 Melrose			0	0	10	7.09	0.03	221.0	0.22	459.0		
20-Apr-20	3927 Melrose			0	0	10	7.63	0.03	217.0	0.22	450.0		
27-Apr-20	3927 Melrose			0	0	10	6.99	0.02	220.0	0.22	457.0		
	Average	0	0	0	0	9.5	7.2	0.03	219.5	0.22	452.5	0.07	0.011
	Maximum	0	0	0	0	10	7.63	0.03	221.0	0.22	459.0	0.07	0.011
	Minimum	0	0	0	0	8	6.99	0.02	217.0	0.22	444.0	0.07	0.011

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2-Mar-20	3927 Melrose	0	0	0	0	7	7.22	0.03	219.0	0.22	454.0	0.10	0.012
9-Mar-20	3927 Melrose			0	0	7	7.51	0.02	224.0	0.22	463.0		
16-Mar-20	3927 Melrose			0	0	8	7.17	0.06	228.0	0.23	471.0		
23-Mar-20	3927 Melrose			0	0	7	7.61	0.04	233.0	0.22	462.0		
30-Mar-20	3927 Melrose			0	0	8	7.07	0.02	223.0	0.22	463.0		
	Average	0	0	0	0	7.4	7.3	0.03	225.4	0.22	462.6	0.10	0.012
	Maximum	0	0	0	0	8	7.61	0.06	233.0	0.23	471.0	0.1	0.012
	Minimum	0	0	0	0	7	7.07	0.02	219.0	0.22	454.0	0.1	0.012

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3-Feb-20	3927 Melrose	0	0	0	0	5	7.28	0.06	224.0	0.22	463.0	0.03	0.028
10-Feb-20	3927 Melrose			0	0	6	7.47	0.08	223.0	0.22	462.0		
18-Feb-20	3927 Melrose			0	0	7	6.93	0.02	222.0	0.20	459.0		
24-Feb-20	3927 Melrose			0	0	6	7.07	0.02	217.9	0.22	452.0		
	Average	0	0	0	0	6.0	7.2	0.05	221.7	0.22	459.0	0.03	0.028
	Maximum	0	0	0	0	7	7.47	0.08	224.0	0.22	463.0	0.03	0.028
	Minimum	0	0	0	0	5	6.93	0.02	217.9	0.2	452.0	0.03	0.028

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6-Jan-20	3927 Melrose	0	0	0	0	8	7.38	0.05	216.0	0.22	448.0	0.03	0.032
13-Jan-20	3927 Melrose			0	0	6	7.10	0.14	218.4	0.22	452.0		
20-Jan-20	3927 Melrose			0	0	8	7.20	0.09	211.1	0.21	450.0		
27-Jan-20	3927 Melrose			0	0	4	7.33	0.03	218.0	0.22	450.0		
	Average	0	0	0	0	7	7.3	0.08	215.9	0.22	450.0	0.03	0.032
	Maximum	0	0	0	0	8	7.38	0.14	218.4	0.22	452.0	0.03	0.032
	Minimum	0	0	0	0	4	7.10	0.03	211.1	0.21	448.0	0.03	0.032

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