



Regional District of Nanaimo - Water Services Department

Melrose Terrace 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	3927 Melrose	0	0	0	0	9	6.84	0.01	240.0	0.24	497.0	0.08	0.000
12-Dec-17	3927 Melrose			0	0	8	6.87	0.01	238.0	0.24	492.0		
	Average	0	0	0	0	8.5	6.9	0.01	239.0	0.24	494.5	0.08	0.000
	Maximum	0	0	0	0	9	6.87	0.01	240.0	0.24	497.0	0.08	0.000
	Minimum	0	0	0	0	8	6.84	0.01	238.0	0.24	492.0	0.08	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	3927 Melrose	0	0	0	0	10	6.94	0.02	238.0	0.24	493.0	0.05	0.000
15-Nov-17	3927 Melrose			0	0	8.5	6.84	0.01	234.0	0.23	486.0		
21-Nov-17	3927 Melrose			0	0	8	6.82	0.02	234.0	0.23	483.0		
27-Nov-17	3927 Melrose			0	0	9	6.62	0.03	241.0	0.24	496.0		
	Average	0	0	0	0	8.9	6.8	0.02	236.8	0.24	489.5	0.05	0.000
	Maximum	0	0	0	0	10.0	6.94	0.03	241.0	0.24	496.0	0.05	0.000
	Minimum	0	0	0	0	8	6.62	0.01	234.0	0.23	483.0	0.05	0.000

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3-Oct-17	3927 Melrose	0	0	0	0	17	6.73	0.02	241.0	0.24	498.0	0.00	0.019
11-Oct-17	3927 Melrose			0	0	15	6.73	0.02	237.0	0.24	493.0		
16-Oct-17	3927 Melrose			0	0	14	7.02	0.05	241.0	0.24	499.0		
24-Oct-17	3927 Melrose			0	0	12	6.96	0.02	243.0	0.24	504.0		
	Average	0	0	0	0	14.5	6.9	0.03	240.5	0.24	498.5	0.00	0.019
	Maximum	0	0	0	0	17	7.02	0.05	243.0	0.24	504.0	0.00	0.019
	Minimum	0	0	0	0	12	6.73	0.02	237.0	0.24	493.0	0.00	0.019

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6-Sep-17	3927 Melrose	0	0	0	0	20	7.05	0.01	235.0	0.23	486.0	0.04	0.032
11-Sep-17	3927 Melrose			0	0	18	6.95	0.01	233.0	0.23	482.0		
18-Sep-17	3927 Melrose			0	0	17	7.11	0.04	235.0	0.23	485.0		
25-Sep-17	3927 Melrose			0	0	17	6.96	0.03	238.0	0.24	492.0		
	Average	0	0	0	0	18.0	7.0	0.02	235.3	0.23	486.3	0.04	0.032
	Maximum	0	0	0	0	20	7.11	0.04	238.0	0.24	492.0	0.04	0.032
	Minimum	0	0	0	0	17	6.95	0.01	233.0	0.23	482.0	0.04	0.032

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1-Aug-17	3927 Melrose	0	0	0	0	18	6.74	0.00	228.0	0.23	472.0	0.05	0.024
8-Aug-17	3927 Melrose			0	0	19	7.01	0.03	230.0	0.23	476.0		
16-Aug-17	3927 Melrose			0	0	18	7.17	0.03	229.0	0.23	473.0		
22-Aug-17	3927 Melrose			0	0	20	6.88	0.02	230.0	0.23	477.0		
30-Aug-17	3927 Melrose			0	0	20	7.06	0.01	232.0	0.23	480.0		
	Average	0	0	0	0	19.0	7.0	0.02	229.8	0.23	475.6	0.05	0.024
	Maximum	0	0	0	0	20	7.17	0.03	232.0	0.23	480.0	0.05	0.024
	Minimum	0	0	0	0	18	6.74	0.00	228.0	0.23	472.0	0.05	0.024

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4-Jul-17	3927 Melrose	0	0	0	0		6.81	0.02	232.0	0.23	479.0	0.03	0.064
11-Jul-17	3927 Melrose			0	0	14	6.72	0.06	240.0	0.24	496.0		
17-Jul-17	3927 Melrose			0	0	17	6.68	0.00	221.0	0.22	457.0		
25-Jul-17	3927 Melrose			0	0	18	6.74	0.03	232.0	0.23	479.0		
	Average	0	0	0	0	16.3	6.7	0.03	231.3	0.23	477.8	0.03	0.064
	Maximum	0	0	0	0	18	6.81	0.06	240.0	0.24	496.0	0.03	0.064
	Minimum	0	0	0	0	14	6.68	0.00	221.0	0.22	457.0	0.03	0.064

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7-Jun-17	3927 Melrose	0	0			14	6.72	0.02	228.0	0.23	472.0	0.04	0.007
12-Jun-17	3927 Melrose					14	6.63	0.01	224.0	0.22	465.0		
19-Jun-17	3927 Melrose					13	6.90	0.02	245.0	0.24	506.0		
26-Jun-17	3927 Melrose					14	6.83	0.05	240.0	0.24	495.0		
	Average	0	0	#DIV/0!	#DIV/0!	13.8	6.8	0.03	234.3	0.23	484.5	0.04	0.007
	Maximum	0	0	0	0	14	6.9	0.05	245.0	0.24	506.0	0.04	0.007
	Minimum	0	0	0	0	13	6.63	0.01	224.0	0.22	465.0	0.04	0.007

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1-May-17	3927 Melrose	0	0			11	6.88	0.02	230.0	0.23	475.0		
8-May-17	3927 Melrose			0	0	11	6.68	0.02	231.0	0.23	478.0	0.03	0.000
15-May-17	3927 Melrose			0	0	10	6.74	0.04	238.0	0.24	493.0		
24-May-17	3927 Melrose					12	6.69	0.05	239.0	0.24	495.0		
	Average	0	0	0	0	11.0	6.75	0.03	234.5	0.24	485.3	0.03	0.000
	Maximum	0	0	0	0	12	6.88	0.05	239.0	0.24	495.0	0.03	0.000
	Minimum	0	0	0	0	10	6.68	0.02	230.0	0.23	475.0	0.03	0.000

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3-Apr-17	3927 Melrose	0	0			8	6.87	0.02	226.0	0.23	466.0	0.03	0.014
10-Apr-17	3927 Melrose			0	0	9	6.80	0.02	237.0	0.24	487.0		
19-Apr-17	3927 Melrose			0	0	9	6.77	0.00	241.0	0.24	495.0		
25-Apr-17	3927 Melrose			0	0	10	6.75	0.02	242.0	0.24	499.0		
	Average	0	0	0	0	9.0	6.8	0.02	236.5	0.24	486.8	0.03	0.014
	Maximum	0	0	0	0	10	6.87	0.02	242.0	0.24	499.0	0.03	0.014
	Minimum	0	0	0	0	8	6.75	0.00	226.0	0.23	466.0	0.03	0.014

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7-Mar-17	3927 Melrose	0	0	0	0	5	6.65	0.01	237.0	0.24	490.0	0.04	0.009
15-Mar-17	3927 Melrose			0	0	4.5	6.61	0.01	235.0	0.23	484.0		
21-Mar-17	3927 Melrose			0	0	6	6.45	0.02	225.0	0.22	466.0		
28-Mar-17	3927 Melrose			0	0	7	6.74	0.01	215.2	0.21	450.0		
	Average	0	0	0	0	5.6	6.6	0.01	228.1	0.23	472.5	0.04	0.009
	Maximum	0	0	0	0	7	6.74	0.02	237.0	0.24	490.0	0.04	0.009
	Minimum	0	0	0	0	4.5	6.45	0.01	215.2	0.21	450.0	0.04	0.009

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8-Feb-17	3927 Melrose	0	0	0	0	4	6.93	0.02	227.0	0.23	470.0	0.03	0.082
14-Feb-17	3927 Melrose			0	0	4	7.04	0.01	228.0	0.23	473.0		
21-Feb-17	3927 Melrose			0	0	5	6.51	0.03	299.0	0.30	613.0		
27-Feb-17	3927 Melrose			0	0	6	6.78	0.02	300.0	0.30	618.0		
	Average	0	0	0	0	4.8	6.8	0.02	263.5	0.27	543.5	0.03	0.082
	Maximum	0	0	0	0	6	7.04	0.03	300.0	0.30	618.0	0.03	0.082
	Minimum	0	0	0	0	4	6.51	0.01	227.0	0.23	470.0	0.03	0.082

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3-Jan-17	3927 Melrose	0	0	0	0	7	7.04	0.00	232.0	0.23	480.0	0.04	0.105
17-Jan-17	3927 Melrose			0	0	3	6.90	0.01	236.0	0.24	487.0		
24-Jan-17	3927 Melrose			0	0	5	6.95	0.01	238.0	0.24	492.0		
31-Jan-17	3927 Melrose			0	0	6	6.90	0.01	247.0	0.25	512.0		
	Average	0	0	0	0	5	6.9	0.01	238.3	0.24	492.8	0.04	0.105
	Maximum	0	0	0	0	7	7.04	0.01	247.0	0.25	512.0	0.04	0.105
	Minimum	0	0	0	0	3	6.90	0.00	232.0	0.23	480.0	0.04	0.105

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