



# Regional District of Nanaimo - Water Services Department

## Melrose Terrace Water Analysis - 2016 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)
7-Dec-16	3927 Melrose	0	0	0	0	9	6.83	0.01	234.0	0.23	485.0	0.02	0.008
14-Dec-16	3927 Melrose			0	0	5	6.77	0.01	247.0	0.25	509.0		
	<b>Average</b>	0	0	0	0	7.0	6.8	0.01	240.5	0.2	497.0	0.02	0.008
	<b>Maximum</b>	0	0	0	0	9	6.83	0.01	247	0.25	509	0.02	0.008
	<b>Minimum</b>	0	0	0	0	5	6.77	0.01	234	0.23	485	0.02	0.008

**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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1-Nov-16	3927 Melrose	0	0	0	0	14	6.68	0.05	247.0	0.25	511.0	0.04	0.019
8-Nov-16	3927 Melrose			0	0	11	6.71	0.01	244.0	0.24	505.0		
14-Nov-16	3927 Melrose			0	0	12	6.79	0.01	248.0	0.25	513.0		
22-Nov-16	3927 Melrose			0	0	8	6.54	0.02	247.0	0.25	513.0		
29-Nov-16	3927 Melrose			0	0	6	6.62	0.01	233.0	0.23	483.0		
	<b>Average</b>	0	0	0	0	10.2	6.7	0.02	243.8	0.2	505.0	0.04	0.019
	<b>Maximum</b>	0	0	0	0	14	6.79	0.05	248	0.25	513.0	0.04	0.019
	<b>Minimum</b>	0	0	0	0	6	6.54	0.01	233	0.23	483.0	0.04	0.019

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4-Oct-16	3927 Melrose	0	0	0	0	13	6.62	0.01	247.0	0.25	511.0	0.05	0.003
12-Oct-16	3927 Melrose			0	0	11	6.61	0.01	246.0	0.24	509.0		
18-Oct-16	3927 Melrose			0	0	10	6.54	0.01	252.0	0.25	519.0		
24-Oct-16	3927 Melrose			0	0	10	6.61	0.01	248.0	0.25	512.0		
	<b>Average</b>	0	0	0	0	11.0	6.6	0.01	248.3	0.2	512.8	0.05	0.003
	<b>Maximum</b>	0	0	0	0	13	6.62	0.01	252	0.25	519	0.05	0.003
	<b>Minimum</b>	0	0	0	0	10	6.54	0.01	246	0.24	509	0.05	0.003

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6-Sep-16	3927 Melrose	0	0	0	0	18	7.00	0.03	247.0	0.25	510.0	0.03	0.014
13-Sep-16	3927 Melrose			0	0	17	6.71	0.00	236.0	0.24	489.0		
20-Sep-16	3927 Melrose			0	0	17.5	6.75	0.01	240.0	0.24	496.0		
27-Sep-16	3927 Melrose			0	0	14	6.64	0.01	245.0	0.24	506.0		
	<b>Average</b>	0	0	0	0	16.6	6.8	0.01	242.0	0.2	500.3	0.03	0.014
	<b>Maximum</b>	0	0	0	0	18	7	0.03	247	0.25	510	0.03	0.014
	<b>Minimum</b>	0	0	0	0	14	6.64	0.00	236	0.24	489	0.03	0.014

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2-Aug-16	3927 Melrose	0	0	0	0	18	6.88	0.05	239.0	0.24	494.0	0.06	0.012
9-Aug-16	3927 Melrose			0	0	19	6.67	0.00	238.0	0.24	491.0		
16-Aug-16	3927 Melrose			0	0	19	6.61	0.02	237.0	0.24	489.0		
23-Aug-16	3927 Melrose			0	0	20	6.80	0.02	238.0	0.24	493.0		
29-Aug-16	3927 Melrose			0	0	19	6.97	0.01	244.0	0.24	503.0		
	<b>Average</b>	0	0	0	0	19.0	6.8	0.02	239.2	0.2	494.0	0.06	0.012
	<b>Maximum</b>	0	0	0	0	20	6.97	0.05	244	0.24	503	0.06	0.012
	<b>Minimum</b>	0	0	0	0	18	6.61	0	237	0.24	489	0.06	0.012

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5-Jul-16	3927 Melrose	0	0	0	0	14	6.88	0.05	251.0	0.25	519.0	0.05	0.020
12-Jul-16	3927 Melrose			0	0	17	6.83	0.05	247.0	0.25	511.0		
18-Jul-16	3927 Melrose			0	0		6.74	0.07	240.0	0.24	495.0		
26-Jul-16	3927 Melrose			0	0	18	6.83	0.05	242.0	0.24	500.0		
	<b>Average</b>	0	0	0	0	16.3	6.8	0.06	245.0	0.2	506.3	0.05	0.020
	<b>Maximum</b>	0	0	0	0	18	6.88	0.07	251	0.25	519	0.05	0.020
	<b>Minimum</b>	0	0	0	0	14	6.74	0.05	240	0.24	495	0.05	0.020

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7-Jun-16	3927 Melrose	0	0	0	0	15	6.60	0.03	242.0	0.24	495.0	0.05	0.014
14-Jun-16	3927 Melrose			0	0	16	6.87	0.00	244.0	0.24	505.0		
21-Jun-16	3927 Melrose			0	0	16	6.84	0.01	237.0	0.24	489.0		
27-Jun-16	3927 Melrose			0	0	18	6.89	0.02	244.0	0.24	505.0		
	<b>Average</b>	0	0	0	0	16.3	6.8	0.02	241.8	0.2	498.5	0.05	0.014
	<b>Maximum</b>	0	0	0	0	18	6.89	0.03	244	0.24	505	0.05	0.014
	<b>Minimum</b>	0	0	0	0	15	6.6	0	237	0.24	489	0.05	0.014

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4-May-16	3927 Melrose	0	0	0	0	14	6.82	0.03	239.0	0.24	494.0		
10-May-16	3927 Melrose			0	0	14	7.03	0.01	237.0	0.24	489.0	0.09	0.017
17-May-16	3927 Melrose			0	0	14	6.70	0.01	239.0	0.24	493.0		
25-May-16	3927 Melrose			0	0	16	6.96	0.00	239.0	0.24	494.0		
31-May-16	3927 Melrose			0	0	16	6.77	0.03	244.0	0.24	504.0		
	<b>Average</b>	0	0	0	0	14.8	6.9	0.02	239.6	0.2	494.8	0.09	0.017
	<b>Maximum</b>	0	0	0	0	16	7.03	0.03	244	0.24	504	0.09	0.017
	<b>Minimum</b>	0	0	0	0	14	6.698	0	237	0.24	489	0.09	0.017

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4-Apr-16	3927 Melrose	0	0	0	0	9	6.91	0.02	242.0	0.24	499.0	0.11	0.018
12-Apr-16	3927 Melrose			0	0	10	6.80	0.00	245.0	0.24	505.0		
19-Apr-16	3927 Melrose			0	0	11	6.89	0.01	244.0	0.24	505.0		
25-Apr-16	3927 Melrose			0	0		6.79	0.02	241.0	0.24	499.0		
	<b>Average</b>	0	0	0	0	10.0	6.8	0.01	243.0	0.2	502.0	0.11	0.018
	<b>Maximum</b>	0	0	0	0	11	6.91	0.02	245	0.24	505	0.11	0.018
	<b>Minimum</b>	0	0	0	0	9	6.79	0	241	0.24	499	0.11	0.018

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1-Mar-16	3927 Melrose	0	0	0	0	8	6.81	0.01	246.0	0.24	509.0	0.09	0.030
8-Mar-16	3927 Melrose			0	0	8	6.90	0.01	226.0	0.22	469.0		
15-Mar-16	3927 Melrose			0	0	7	6.92	0.01	235.0	0.23	486.0		
22-Mar-16	3927 Melrose			0	0	8	6.77	0.01	242.0	0.24	501.0		
29-Mar-16	3927 Melrose			0	0	9	6.90	0.01	237.0	0.24	492.0		
	<b>Average</b>	0	0	0	0	8.0	6.9	0.01	237.2	0.2	491.4	0.09	0.03
	<b>Maximum</b>	0	0	0	0	9	6.92	0.01	246	0.24	509	0.09	0.03
	<b>Minimum</b>	0	0	0	0	7	6.77	0.01	226	0.22	469	0.09	0.03

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2-Feb-16	3927 Melrose	0	0	0	0	7	6.66	0.00	244.0	0.24	502.0	0.06	0.001
9-Feb-16	3927 Melrose			0	0	7	6.90	0.03	247.0	0.25	509.0		
16-Feb-16	3927 Melrose			0	0	7	6.89	0.03	243.0	0.24	505.0		
23-Feb-16	3927 Melrose			0	0	8	6.88	0.02	248.0	0.25	513.0		
	<b>Average</b>	0	0	0	0	7.3	6.8	0.02	245.5	0.2	507.3	0.06	0.001
	<b>Maximum</b>	0	0	0	0	8	6.9	0.03	248	0.25	513	0.06	0.001
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4-Jan-16	3927 Melrose	0	0	0	0	7	6.60	0.02	209.0	0.21	434.0	0.03	0.035
12-Jan-16	3927 Melrose			0	0	7	7.01	0.01	248.0	0.25	509.0		
20-Jan-16	3927 Melrose			0	0	7	6.66	0.02	246.0	0.25	509.0		
26-Jan-16	3927 Melrose			0	0	8	6.84	0.01	254.0	0.25	517.0		
	<b>Average</b>	0	0	0	0	7.3	6.8	0.02	239.3	0.2	492.3	0.03	0.035
	<b>Maximum</b>	0	0	0	0	8	7.01	0.02	254	0.25	517	0.03	0.035
	<b>Minimum</b>	0	0	0	0	7	6.6	0.01	209	0.21	434	0.03	0.035

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