



# Regional District of Nanaimo - Water Services Department

## Melrose Terrace Water Analysis - 2018 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)
3-Dec-18	3927 Melrose	0	0	0	0	8	7.42	0.02	225.0	0.22	465.0	0.07	0.014
10-Dec-18	3927 Melrose			0	0	8	7.46	0.02	225.0	0.26	540.0		
	<b>Average</b>	0	0	0	0	8.0	7.4	0.02	225.0	0.24	502.5	0.07	0.014
	<b>Maximum</b>	0	0	0	0	8	7.46	0.02	225.0	0.26	540.0	0.07	0.014
	<b>Minimum</b>	0	0	0	0	8	7.42	0.02	225.0	0.22	465.0	0.07	0.014

**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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7-Nov-18	3927 Melrose	0	0	0	0	12	7.06	0.02	234.0	0.23	483.0	0.03	0.017
14-Nov-18	3927 Melrose			0	0	11	7.31	0.02	234.0	0.22	485.0		
19-Nov-18	3927 Melrose			0	0	11	7.32	0.02	229.0	0.23	475.0		
27-Nov-18	3927 Melrose			0	0	8	7.17	0.01	229.0	0.23	473.0		
	<b>Average</b>	0	0	0	0	10.5	7.22	0.02	231.5	0.23	479.0	0.03	0.017
	<b>Maximum</b>	0	0	0	0	12	7.32	0.02	234.0	0.23	485.0	0.03	0.017
	<b>Minimum</b>	0	0	0	0	8	7.06	0.01	229.0	0.22	473.0	0.03	0.017

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1-Oct-18	3927 Melrose	0	0	0	0	16	7.18	0.03	228.0	0.23	472.0	0.07	0.022
9-Oct-19	3927 Melrose			0	0	14	6.72	0.01	223.0	0.22	462.0		
15-Oct-18	3927 Melrose			0	0	14	7.04	0.01	226.0	0.23	467.0		
22-Oct-18	3927 Melrose			0	0	14	7.26	0.02	231.0	0.23	477.0		
30-Oct-18	3927 Melrose			0	0	12	7.27	0.01	236.0	0.23	488.0		
	<b>Average</b>	0	0	0	0	14.0	7.1	0.02	228.8	0.23	473.2	0.07	0.022
	<b>Maximum</b>	0	0	0	0	16	7.27	0.03	236.0	0.23	488.0	0.07	0.022
	<b>Minimum</b>	0	0	0	0	12	6.72	0.01	223.0	0.22	462.0	0.07	0.022

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5-Sep-18	3927 Melrose	0	0	0	0	18	7.17	0.00	230.0	0.23	476.0	0.06	0.019
10-Sep-18	3927 Melrose			0	0	18	7.03	0.01	223.0	0.22	462.0		
17-Sep-18	3927 Melrose			0	0	18	7.21	0.02	223.0	0.22	461.0		
24-Sep-18	3927 Melrose			0	0	16	7.12	0.01	229.0	0.23	474.0		
	<b>Average</b>	0	0	0	0	17.5	7.1	0.01	226.3	0.23	468.3	0.06	0.019
	<b>Maximum</b>	0	0	0	0	18	7.21	0.02	230.0	0.23	476.0	0.06	0.019
	<b>Minimum</b>	0	0	0	0	16	7.03	0.00	223.0	0.22	461.0	0.06	0.019

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7-Aug-18	3927 Melrose	0	0	0	0	20	6.98	0.02	234.0	0.23	464.0	0.03	0.010
13-Aug-18	3927 Melrose			0	0	18.5	6.90	0.03	228.0	0.23	471.0		
20-Aug-18	3927 Melrose			0	0	19	7.38	0.05	232.0	0.23	479.0		
29-Aug-18	3927 Melrose			0	0	20	7.22	0.02	228.0	0.23	473.0		
	<b>Average</b>	0	0	0	0	19.4	7.1	0.03	230.5	0.23	471.8	0.03	0.01
	<b>Maximum</b>	0	0	0	0	20	7.38	0.05	234.0	0.23	479.0	0.03	0.01
	<b>Minimum</b>	0	0	0	0	18.5	6.9	0.02	228.0	0.23	464.0	0.03	0.01

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3-Jul-18	3927 Melrose	0	0	0	0	15	7.04	0.04	231.0	0.23	477.0	0.05	0.015
9-Jul-18	3927 Melrose			0	0	16	7.07	0.07	231.0	0.23	478.0		
16-Jul-18	3927 Melrose			0	0	16	7.15	0.05	228.0	0.23	471.0		
24-Jul-18	3927 Melrose			0	0	18	6.92	0.02	229.0	0.23	472.0		
30-Jul-18	3927 Melrose			0	0	18	6.92	0.02	233.0	0.23	481.0		
	<b>Average</b>	0	0	0	0	16.6	7.0	0.04	230.4	0.23	475.8	0.05	0.015
	<b>Maximum</b>	0	0	0	0	18	7.15	0.07	233.0	0.23	481.0	0.05	0.015
	<b>Minimum</b>	0	0	0	0	15	6.92	0.02	228.0	0.23	471.0	0.05	0.015

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5-Jun-18	3927 Melrose	0	0	0	0	14	6.82	0.02	230.0	0.23	475.0		
11-Jun-18	3927 Melrose			0	0	15	7.04	0.04	227.0	0.23	470.0	0.07	0.000
18-Jun-18	3927 Melrose			0	0	17	6.86	0.02	233.0	0.23	481.0		
25-Jun-18	3927 Melrose			0	0	15	7.10	0.05	230.0	0.23	477.0		
	<b>Average</b>	0	0	0	0	15.3	7.0	0.03	230.0	0.23	475.8	0.07	0.000
	<b>Maximum</b>	0	0	0	0	17	7.1	0.05	233.0	0.23	481.0	0.07	0.000
	<b>Minimum</b>	0	0	0	0	14	6.82	0.02	227.0	0.23	470.0	0.07	0.000

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1-May-18	3927 Melrose	0	0	0	0	10	6.87	0.02	228.0	0.23	472.0		
7-May-18	3927 Melrose			0	0	11	6.77	0.02	258.0	0.26	531.0	0.05	0.001
14-May-18	3927 Melrose			0	0	13	6.78	0.05	227.0	0.23	470.0		
22-May-18	3927 Melrose			0	0	14	6.78	0.03	226.0	0.23	469.0		
29-May-18	3927 Melrose			0	0	15	6.81	0.04	226.0	0.23	469.0		
	<b>Average</b>	0	0	0	0	12.6	6.80	0.03	233.0	0.24	482.2	0.05	0.001
	<b>Maximum</b>	0	0	0	0	15	6.87	0.05	258.0	0.26	531.0	0.05	0.001
	<b>Minimum</b>	0	0	0	0	10	6.77	0.02	226.0	0.23	469.0	0.05	0.001

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4-Apr-18	3927 Melrose	0	0	0	0	7	6.59	0.02	244.0	0.24	505.0	0.04	0.007
9-Apr-18	3927 Melrose			0	0	8	6.69	0.01	229.0	0.23	473.0		
16-Apr-18	3927 Melrose			0	0	9	6.49	0.02	227.0	0.23	469.0		
24-Apr-18	3927 Melrose			0	0	9	6.91	0.02	228.0	0.23	471.0		
	<b>Average</b>	0	0	0	0	8.3	6.7	0.02	232.0	0.23	479.5	0.04	0.007
	<b>Maximum</b>	0	0	0	0	9	6.91	0.02	244.0	0.24	505.0	0.04	0.007
	<b>Minimum</b>	0	0	0	0	7	6.49	0.01	227.0	0.23	469.0	0.04	0.007

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5-Mar-18	3927 Melrose	0	0	0	0	6	6.89	0.01	222.0	0.22	460.0	0.05	0.019
12-Mar-18	3927 Melrose			0	0	6	6.92	0.01	226.0	0.23	466.0		
20-Mar-18	3927 Melrose			0	0	7	6.80	0.01	230.0	0.23	472.0		
27-Mar-18	3927 Melrose			0	0	7	6.82	0.06	226.0	0.23	469.0		
	<b>Average</b>	0	0	0	0	6.5	6.9	0.02	226.0	0.23	466.8	0.05	0.019
	<b>Maximum</b>	0	0	0	0	7	6.92	0.06	230.0	0.23	472.0	0.05	0.019
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5-Feb-18	3927 Melrose	0	0	0	0	7	6.90	0.02	234.0	0.23	483.0	0.10	0.029
14-Feb-18	3927 Melrose			0	0		6.84	0.03	239.0	0.24	493.0		
20-Feb-18	3927 Melrose			0	0	7	6.78	0.01	238.0	0.24	490.0		
27-Feb-18	3927 Melrose			0	0	6	6.66	0.01	234.0	0.23	488.0		
	<b>Average</b>	0	0	0	0	6.7	6.8	0.02	236.3	0.24	488.5	0.10	0.029
	<b>Maximum</b>	0	0	0	0	7	6.9	0.03	239.0	0.24	493.0	0.10	0.029
	<b>Minimum</b>	0	0	0	0	6	6.66	0.01	234.0	0.23	483.0	0.10	0.029

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2-Jan-18	3927 Melrose	0	0	0	0		6.83	0.05	234.0	0.23	484.0	0.02	0.024
8-Jan-18	3927 Melrose			0	0		7.01	0.02	234.0	0.23	483.0		
15-Jan-18	3927 Melrose			0	0	6	6.79	0.02	233.0	0.23	480.0		
22-Jan-18	3927 Melrose			0	0	7	6.79	0.02	232.0	0.23	479.0		
29-Jan-18	3927 Melrose			0	0		6.73		234.0	0.23	483.0		
	<b>Average</b>	0	0	0	0	7	6.8	0.03	233.4	0.23	481.8	0.02	0.024
	<b>Maximum</b>	0	0	0	0	7	7.01	0.05	234.0	0.23	484.0	0.02	0.024
	<b>Minimum</b>	0	0	0	0	6	6.73	0.02	232.0	0.23	479.0	0.02	0.024

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