



# Regional District of Nanaimo - Water Services Department

## Melrose Terrace Water Analysis - 2013 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-13	3927 Melrose	0	0	0	0	8	6.98	0.01	265.0	0.26	548.0	0.05	0.000
10-Dec-13	3927 Melrose			0	0	8	6.91	1.01	235.0	0.23	488.0		
16-Dec-13	3927 Melrose			0	0	7	6.96	0.01	227.0	0.23	470.0		
30-Dec-13	3927 Melrose			0	0	8	6.69	0.03	207.0	0.21	430.0		
	<b>Average</b>	0	0	0	0	7.8	6.9	0.27	233.5	0.2	484.0	0.05	0.000
	<b>Maximum</b>	0	0	0	0	8	6.98	1.01	265	0.26	548	0.05	0.000
	<b>Minimum</b>	0	0	0	0	7	6.69	0.01	207	0.21	430	0.05	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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6-Nov-13	3927 Melrose	0	0	0	0	12	6.99	0.01	274.0	0.27	566.0		
12-Nov-13	Pump House			0	0	10	7.10	0.01	265.0	0.03	545.0	0.04	0.034
20-Nov-13	3927 Melrose			0	0	9	6.85	0.01	267.0	0.27	551.0		
25-Nov-13	Pump House			0	0	8	7.06	0.02	269.0	0.27	552.0		
	<b>Average</b>	0	0	0	0	9.8	7.0	0.01	268.8	0.2	553.5	0.04	0.034
	<b>Maximum</b>	0	0	0	0	12	7.1	0.02	274	0.27	566	0.04	0.034
	<b>Minimum</b>	0	0	0	0	8	6.85	0.01	265	0.027	545	0.04	0.034

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2-Oct-13	3927 Melrose	0	0	0	0	14	7.30	0.01	258.0	0.26	533.0	0.05	0.000
9-Oct-13	Pump House			0	0	14	6.91	0.03	257.0	0.26	530.0		
15-Oct-13	3927 Melrose			0	0	13	7.13	0.01	266.0	0.27	548.0		
22-Oct-13	Pump House			0	0	13	6.99	0.01	271.0	0.27	559.0		
28-Oct-13	3927 Melrose			0	0	13	6.85	0.01	279.0	0.28	575.0		
	<b>Average</b>	0	0	0	0	13.4	7.0	0.01	266.2	0.3	549.0	0.05	0
	<b>Maximum</b>	0	0	0	0	14	7.3	0.03	279	0.28	575	0.05	0
	<b>Minimum</b>	0	0	0	0	13	6.85	0.01	257	0.26	530	0.05	0

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4-Sep-13	3927 Melrose	0	0	0	0	19	6.93	0.01	250.0	0.25	517.0	0.05	0.021
9-Sep-13	Pump House			0	0	17	7.10	0.00	252.0	0.25	521.0		
16-Sep-13	3927 Melrose			0	0	19	7.22	0.01	255.0	0.25	527.0		
24-Sep-13	Pump House			0	0	15	7.17	0.04	256.0	0.26	527.0		
	<b>Average</b>	0	0	0	0	17.5	7.1	0.02	253.3	0.3	523.0	0.05	0.021
	<b>Maximum</b>	0	0	0	0	19	7.22	0.04	256	0.26	527	0.05	0.021
	<b>Minimum</b>	0	0	0	0	15	6.93	0	250	0.25	517	0.05	0.021

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6-Aug-13	3927 Melrose	0	0	0	0	19	6.93	0.03	240.0	0.24	497.0	0.07	0.018
12-Aug-13	Pump house			0	0	17	6.96	0.04	240.0	0.24	495.0		
20-Aug-13	3927 Melrose			0	0	18	7.00	0.05	245.0	0.24	506.0		
27-Aug-13	Pump House			0	0	18	6.83	0.01	247.0	0.24	512.0		
	<b>Average</b>	0	0	0	0	18.0	6.9	0.03	243.0	0.2	502.5	0.07	0.018
	<b>Maximum</b>	0	0	0	0	19	7	0.05	247	0.24	512	0.07	0.018
	<b>Minimum</b>	0	0	0	0	17	6.83	0.01	240	0.24	495	0.07	0.018

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2-Jul-13	3927 Melrose	0	0	0	0	17	6.85	0.06	235.0	0.23	486.0	0.06	0.430
8-Jul-13	Pump House			0	0	16	6.75	0.02	236.0	0.24	489.0		
17-Jul-13	3927 Melrose			0	0	19	6.76	0.01	239.0	0.24	494.0		
22-Jul-13	Pump House			0	0	17	6.86	0.01	239.0	0.24	494.0		
	<b>Average</b>	0	0	0	0	17.3	6.8	0.03	237.3	0.2	490.8	0.06	0.43
	<b>Maximum</b>	0	0	0	0	19	6.86	0.06	239	0.24	494	0.06	0.43
	<b>Minimum</b>	0	0	0	0	16	6.75	0.01	235	0.23	486	0.06	0.43

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3-Jun-13	3927 Melrose	0	0	0	0	14	6.47	0.02	231.0	0.23	477.0	0.07	0.020
10-Jun-13	Pump House			0	0	14	7.15	0.13	232.0	0.23	480.0		
19-Jun-13	3927 Melrose			0	0	15	7.16	0.01	233.0	0.23	482.0		
25-Jun-13	Pump House			0	0	16	6.86	0.00	235.0	0.23	486.0		
	<b>Average</b>	0	0	0	0	14.8	6.9	0.04	232.8	0.2	481.3	0.07	0.02
	<b>Maximum</b>	0	0	0	0	16	7.16	0.13	235	0.23	486	0.07	0.02
	<b>Minimum</b>	0	0	0	0	14	6.47	0	231	0.23	477	0.07	0.02

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8-May-13	3927 Melrose	0	0			12	6.93	0.06	247.0	0.25	510.0	0.19	0.040
14-May-13	Pump House					14	6.91	0.02	245.0	0.24	506.0		
21-May-13	3927 Melrose					14	6.97	0.01	247.0	0.25	510.0		
28-May-13	Pump House			0	0	14	7.20	0.02	238.0	0.24	492.0		
	<b>Average</b>	0	0	0	0	13.5	7.0	0.03	244.3	0.2	504.5	0.19	0.04
	<b>Maximum</b>	0	0	0	0	14	7.2	0.06	247	0.25	510	0.19	0.04
	<b>Minimum</b>	0	0	0	0	12	6.91	0.01	238	0.24	492	0.19	0.04

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3-Apr-13	3927 Melrose	0	0	0	0	10	6.95	0.03	237.0	0.24	489.0	0.11	0.012
9-Apr-13	Pump House			0	0	10	7.22	0.01	236.0	0.24	489.0		
17-Apr-13	3927 Melrose			0	0	12	6.85	0.06	242.0	0.24	501.0		
22-Apr-13	3927 Melrose			0	0	10	6.50	0.02	239.0	0.24	497.0		
	<b>Average</b>	0	0	0	0	10.5	6.9	0.03	238.5	0.2	494.0	0.11	0.012
	<b>Maximum</b>	0	0	0	0	12	7.22	0.06	242	0.24	501	0.11	0.012
	<b>Minimum</b>	0	0	0	0	10	6.5	0.01	236	0.24	489	0.11	0.012

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6-Mar-13	3927 Melrose	0	0	0	0	6	6.49	0.00	220.0	0.22	454.0	0.14	0.006
13-Mar-13	Pump House			0	0	9	6.84	0.01	225.0	0.22	465.0		
18-Mar-13	3927 Melrose			0	0	8	6.96	0.07	227.0	0.23	470.0		
25-Mar-13	Pump House			0	0	7	6.58	0.08	227.0	0.23	469.0		
	<b>Average</b>	0	0	0	0	7.5	6.7	0.04	224.8	0.2	464.5	0.14	0.006
	<b>Maximum</b>	0	0	0	0	9	6.96	0.08	227	0.23	470	0.14	0.006
	<b>Minimum</b>	0	0	0	0	6	6.49	0	220	0.22	454	0.14	0.006

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6-Feb-13	3927 Melrose	0	0	0	0	6	6.81	0.00	225.0	0.22	468.0	0.05	0.023
12-Feb-13	Pump House			0	0	9	7.01	0.02	227.0	0.23	471.0		
20-Feb-13	3927 Melrose			0	0	7	7.00	0.03	205.0	0.20	426.0		
25-Feb-13	Pump House			0	0	9	6.96	0.01	215.0	0.22	445.0		
	<b>Average</b>	0	0	0	0	7.8	6.9	0.02	218.0	0.2	452.5	0.05	0.023
	<b>Maximum</b>	0	0	0	0	9	7.01	0.03	227	0.23	471	0.05	0.023
	<b>Minimum</b>	0	0	0	0	6	6.81	0	205	0.2	426	0.05	0.023

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8-Jan-13	3927 Melrose	0	0	0	0	6		0.05				0.24	0.083
16-Jan-13	Pump House			0	0	8	6.83	0.02	246.0	0.25	509.0		
21-Jan-13	3927 Melrose			0	0	7	6.74	0.06	240.0	0.24	495.0		
28-Jan-13	Pump House			0	0	8	6.73	0.02	229.0	0.23	474.0		
	<b>Average</b>	0	0	0	0	7.3	6.8	0.04	238.3	0.2	492.7	0.24	0.083
	<b>Maximum</b>	0	0	0	0	8	6.83	0.06	246	0.25	509	0.24	0.083
	<b>Minimum</b>	0	0	0	0	6	6.73	0.02	229	0.23	474	0.24	0.083

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