



# Regional District of Nanaimo - Water Services Department

## Melrose Terrace Water Analysis - 2012 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)
5-Jan-12	3927 Melrose			0	0	6	6.91	0.01	201.4	0.20	418.0	0.11	0.018
11-Jan-12	Pump house			0	0		6.95	0.02	201.0	0.20	418.0		
16-Jan-12	3927 Melrose	0	0	0	0	5	7.13	0.02	203.4	0.20	422.0		
24-Jan-12	Pump house			0	0	8	7.18	0.07	207.0	0.21	429.0		
30-Jan-12	3927 Melrose			0	0	6	6.57	0.01	201.2	0.20	348.0		
	<b>Average</b>	0	0	0	0	6.3	6.9	0.03	202.8	0.20	407.0	0.11	0.018
	<b>Maximum</b>	0	0	0	0	8	7.18	0.07	207.0	0.21	429.0	0.11	0.018
	<b>Minimum</b>	0	0	0	0	5	6.57	0.01	201.0	0.20	348.0	0.11	0.018

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-Feb-12	Pump House			0	0	8	7.61	0.00	200.1	0.20	415.0	0.1	0.018
14-Feb-12	3927 Melrose	0	0	0	0	6	6.97	0.02	227.0	0.23	469.0		
21-Feb-12	3927 Melrose			0	0	7	7.05	0.02	210.9	0.21	437.0		
27-Feb-12	Pump House			0	0	11	7.19	0.01	203.6	0.20	421.0		
	<b>Average</b>	0	0	0	0	8.0	7.2	0.01	210.4	0.21	435.5	0.10	0.018
	<b>Maximum</b>	0	0	0	0	11	7.61	0.02	227	0.23	469	0.1	0.018
	<b>Minimum</b>	0	0	0	0	6	6.97	0.00	200.1	0.20	415	0.1	0.018

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7-Mar-12	3927 Melrose	0	0	0	0	6	6.99	0.01	196.7	0.20	408.0	0.09	0.015
12-Mar-12	3927 Melrose			0	0	6	7.01	0.01	191.3	0.19	398.0		
20-Mar-12	Pump House			0	0	8	6.97	0.04	205.0	0.20	425.0		
26-Mar-12	3927 Melrose			0	0	7	7.12	0.00	206.0	0.21	428.0		
	<b>Average</b>	0	0	0	0	6.8	7.0	0.02	199.8	0.20	414.8	0.09	0.015
	<b>Maximum</b>	0	0	0	0	8	7.12	0.04	206	0.21	428.0	0.09	0.015
	<b>Minimum</b>	0	0	0	0	6	6.97	0.00	191.3	0.19	398.0	0.09	0.015

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2-Apr-12	3927 Melrose	0	0	0	0	7	6.73	0.03	208.0	0.21	376.0	0.11	0.026
10-Apr-12	Pump house			0	0	12	6.94	0.01	213.3	0.21	442.0		
16-Apr-12	3927 Melrose			0	0	9	6.46	0.00	209.6	0.21	340.0		
24-Apr-12	Pump house			0	0	12	6.77	0.07	208.3	0.21	360.0		
	<b>Average</b>	0	0	0	0	10.0	6.7	0.03	209.8	0.2	379.5	0.11	0.026
	<b>Maximum</b>	0	0	0	0	12	6.94	0.07	213.3	0.21	442	0.11	0.026
	<b>Minimum</b>	0	0	0	0	7	6.46	0.00	208	0.21	340	0.11	0.026

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1-May-12	3927 Melrose	0	0	0	0	11	7.12	0.03	208.7	0.21	370.0	0.08	0.018
8-May-12	Pumphouse			0	0	11	6.53	0.03	213.0	0.10	355.0		
16-May-12	3927 Melrose			0	0	13	6.87	0.01	217.0	0.22	450.0		
22-May-12	Pumphouse			0	0	14	7.17	0.02	223.0	0.22	462.0		
	<b>Average</b>	0	0	0	0	12.3	6.9	0.02	215.4	0.19	409.3	0.08	0.018
	<b>Maximum</b>	0	0	0	0	14	7.17	0.03	223	0.22	462	0.08	0.018
	<b>Minimum</b>	0	0	0	0	11	6.53	0.01	208.7	0.10	355	0.08	0.018

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4-Jun-12	3927 Melrose	0	0	0	0	15	6.89	0.01	215.8	0.21	448.0	0.06	0.014
12-Jun-12	Pump House			0	0	15	7.01	0.02	219.4	0.22	455.0		
19-Jun-12	3927 Melrose			0	0	13	6.86	0.00	227.0	0.23	470.0		
26-Jun-12	Pump House			0	0	16	6.76	0.04	239.0	0.24	430.0		
	<b>Average</b>	0	0	0	0	14.8	6.9	0.02	225.3	0.23	450.8	0.06	0.014
	<b>Maximum</b>	0	0	0	0	16	7.01	0.04	239	0.24	470	0.06	0.014
	<b>Minimum</b>	0	0	0	0	13	6.76	0.00	215.8	0.21	430	0.06	0.014

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9-Jul-12	3927 Melrose	0	0	0	0	16	6.41	0.03	234.0	0.23	422.0	0.07	0.016
17-Jul-12	Pump House			0	0		7.07	0.02	237.0	0.24	491.0		
24-Jul-12	3927 Melrose			0	0	19	6.84	0.03	263.0	0.26	542.0		
30-Jul-12	Pump House			0	0	16	6.99	0.00	220.0	0.22	456.0		
	<b>Average</b>	0	0	0	0	17.0	6.8	0.02	238.5	0.24	477.8	0.07	0.016
	<b>Maximum</b>	0	0	0	0	19	7.07	0.03	263	0.26	542	0.07	0.016
	<b>Minimum</b>	0	0	0	0	16	6.41	0	220	0.22	422	0.07	0.016

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7-Aug-12	3927 Melrose	0	0	0	0	19	6.76	0.02	233.0	0.23	482.0	0.11	0.020
14-Aug-12	3927 Melrose			0	0	19	7.02	0.05	246.0	0.24	508.0		
21-Aug-12	3927 Melrose			0	0	19	7.05	0.10	242.0	0.24	501.0		
28-Aug-12	3927 Melrose			0	0	19	6.59	0.02	238.0	0.24	492.0		
	<b>Average</b>	0	0	0	0	19.0	6.9	0.05	239.8	0.2	495.8	0.11	0.02
	<b>Maximum</b>	0	0	0	0	19	7.05	0.1	246	0.24	508	0.11	0.02
	<b>Minimum</b>	0	0	0	0	19	6.59	0.02	233	0.23	482	0.11	0.02

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5-Sep-12	3927 Melrose	0	0	0	0	18	7.11	0.02	239	0.24	495	0.02	0.039
12-Sep-12	3927 Melrose			0	0	18	7.09	0.01	240	0.24	495		
18-Sep-12	Pumphouse			0	0	18	6.39	0.04	238	0.24	493		
24-Sep-12	3927 Melrose			0	0	18	7.12	0.05	247	0.25	509		
	<b>Average</b>	0	0	0	0	18.0	6.9	0.03	241.0	0.2	498.0	0.02	0.039
	<b>Maximum</b>	0	0	0	0	18	7.12	0.05	247	0.25	509	0.02	0.039
	<b>Minimum</b>	0	0	0	0	18	6.39	0.01	238	0.24	493	0.02	0.039

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3-Oct-12	3927 Melrose	0	0	0	0	16	6.67	0.02	241.0	0.24	497.0	0.06	0.019
15-Oct-12	Pump House			0	0	15	6.95	0.03	217.2	0.21	450.0		
24-Oct-12	3927 Melrose			0	0	13	6.45	0.00	219.6	0.22	455.0		
	<b>Average</b>	0	0	0	0	14.7	6.7	0.02	225.9	0.2	467.3	0.06	0.019
	<b>Maximum</b>	0	0	0	0	16	6.95	0.03	241	0.24	497	0.06	0.019
	<b>Minimum</b>	0	0	0	0	13	6.45	0	217.2	0.21	450	0.06	0.019

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13-Nov-12	3927 Melrose	0	0	0	0		7.04	0.06	227	0.23	469	0.06	0.033
20-Nov-12	Pump House			0	0	10	7.00	0.01	229	0.23	473		
27-Nov-12	3927 Melrose			0	0	8	7.20	0.00	231	0.23	478		
	<b>Average</b>	0	0	0	0	9.0	7.1	0.02	229.0	0.2	473.3	0.06	0.033
	<b>Maximum</b>	0	0	0	0	10	7.2	0.06	231	0.23	478	0.06	0.033
	<b>Minimum</b>	0	0	0	0	8	7	0	227	0.23	469	0.06	0.033

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4-Dec-12	3927 Melrose	0	0	0	0	10	7.05	0.00	235	0.23	486	0.11	0.017
11-Dec-12	Pump House			0	0	9	6.67	0.00	225	0.22	466		
17-Dec-12	3927 Melrose			0	0	7	7.17	0.03	222	0.22	459		
	<b>Average</b>	0	0	0	0	8.7	7.0	0.01	227.3	0.2	470.3	0.11	0.017
	<b>Maximum</b>	0	0	0	0	10	7.17	0.03	235	0.23	486	0.11	0.017
	<b>Minimum</b>	0	0	0	0	7	6.67	0	222	0.22	459	0.11	0.017

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