



Regional District of Nanaimo - Water Services Department

Melrose Terrace Water Analysis - 2014 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-14	3927 Melrose	0	0	0	0	9	7.02	0.01	241.0	0.24	500.0	0.05	0.017
9-Dec-14	3927 Melrose			0	0	8	6.77	0.02	244.0	0.24	505.0		
15-Dec-14	3927 Melrose			0	0	8	6.78	0.01	245.0	0.24	507.0		
	Average	0	0	0	0	8.3	6.9	0.01	243.3	0.2	504.0	0.05	0.017
	Maximum	0	0	0	0	9	7.02	0.02	245	0.24	507	0.05	0.017
	Minimum	0	0	0	0	8	6.77	0.01	241	0.24	500	0.05	0.017

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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3-Nov-14	3927 Melrose	T	T	0	0	12	6.77	0.04	255.0	0.25	526.0	0.09	0.022
18-Nov-14	3927 Melrose			0	0	10	6.72	0.02	243.0	0.24	501.0		
24-Nov-14	3927 Melrose			0	0	9	6.76	0.01	243.0	0.24	503.0		
	Average	#DIV/0!	#DIV/0!	0	0	10.3	6.8	0.02	247.0	0.2	510.0	0.09	0.022
	Maximum	0	0	0	0	12	6.77	0.04	255	0.25	526	0.09	0.022
	Minimum	0	0	0	0	9	6.72	0.01	243	0.24	501	0.09	0.022

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T=Sample not tested. Too long in transit.

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7-Oct-14	3927 Melrose	0	0	0	0	17	7.08	0.02	255.0	0.25	526.0	0.05	0.017
14-Oct-14	3927 Melrose			0	0	15	7.02	0.02	242.0	0.24	501.0		
20-Oct-14	3927 Melrose			0	0	14	6.93	0.05	243.0	0.24	503.0		
27-Oct-14	3927 Melrose			0	0	13	6.82	0.00	257.0	0.26	531.0		
	Average	0	0	0	0	14.8	7.0	0.02	249.3	0.2	515.3	0.05	0.017
	Maximum	0	0	0	0	17	7.08	0.05	257	0.26	531	0.05	0.017
	Minimum	0	0	0	0	13	6.82	0	242	0.24	501	0.05	0.017

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3-Sep-14	3927 Melrose	0	0	0	0	20	6.83	0.00	237.0	0.24	491.0	0.05	0.017
9-Sep-14	3927 Melrose			0	0	18	7.10	0.03	249.0	0.25	514.0		
16-Sep-14	3927 Melrose			0	0	17	6.45	0.00	261.0	0.26	538.0		
23-Sep-14	3927 Melrose			0	0	18	6.75	0.03	253.0	0.25	522.0		
29-Sep-14	3927 Melrose			0	0	15	6.83	0.04	253.0	0.25	522.0		
	Average	0	0	0	0	17.6	6.8	0.02	250.6	0.3	517.4	0.05	0.017
	Maximum	0	0	0	0	20	7.1	0.04	261	0.26	538	0.05	0.017
	Minimum	0	0	0	0	15	6.45	0	237	0.24	491	0.05	0.017

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5-Aug-14	3927 Melrose	0	0	0	0	20	6.82	0.01	240.0	0.24	497.0	0.04	0.013
11-Aug-14	3927 Melrose			0	0	19	6.98	0.07	238.0	0.24	493.0		
19-Aug-14	3927 Melrose			0	0	19	6.50	0.05	248.0	0.25	512.0		
25-Aug-14	3927 Melrose			0	0	17	7.10	0.06	247.0	0.25	511.0		
	Average	0	0	0	0	18.8	6.9	0.05	243.3	0.2	503.3	0.04	0.013
	Maximum	0	0	0	0	20	7.1	0.07	248	0.25	512	0.04	0.013
	Minimum	0	0	0	0	17	6.5	0.01	238	0.24	493	0.04	0.013

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2-Jul-14	3927 Melrose	0	0	0	0	18	6.73	0.01	244.0	0.24	504.0	0.06	0.013
7-Jul-01	3927 Melrose			0	0	17	6.64	0.00	246.0	0.24	509.0		
15-Jul-14	3927 Melrose			0	0	17	6.73	0.04	242.0	0.24	500.0		
22-Jul-14	3927 Melrose			0	0	19	6.83	0.03	246.0	0.24	508.0		
29-Jul-14	3927 Melrose			0	0	18	6.88	0.03	238.0	0.24	491.0		
	Average	0	0	0	0	17.8	6.8	0.02	243.2	0.2	502.4	0.06	0.013
	Maximum	0	0	0	0	19	6.88	0.04	246	0.24	509	0.06	0.013
	Minimum	0	0	0	0	17	6.64	0	238	0.24	491	0.06	0.013

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4-Jun-14	3927 Melrose	0	0	0	0	15	6.96	0.02	234.0	0.23	483.0	0.08	0.014
9-Jun-14	3927 Melrose			0	0	16	7.00	0.03	237.0	0.24	490.0		
16-Jun-14	3927 Melrose			0	0	15	6.93	0.03	247.0	0.25	510.0		
24-Jun-14	3927 Melrose			0	0	15	7.00	0.02	241.0	0.24	499.0		
	Average	0	0	0	0	15.3	7.0	0.03	239.8	0.2	495.5	0.08	0.014
	Maximum	0	0	0	0	16	7	0.03	247	0.25	510	0.08	0.014
	Minimum	0	0	0	0	15	6.93	0.02	234	0.23	483	0.08	0.014

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6-May-14	3927 Melrose	0	0	0	0	11	6.79	0.02	230.0	0.23	475.0	0.12	0.000
13-May-14	3927 Melrose			0	0	8	6.64	0.04	233.0	0.23	481.0		
21-May-14	3927 Melrose			0	0	13	7.14	0.02	214.0	0.21	444.0		
26-May-14	3927 Melrose			0	0	13	7.08	0.03	225.0	0.22	466.0		
	Average	0	0	0	0	11.3	6.9	0.03	225.5	0.2	466.5	0.12	0
	Maximum	0	0	0	0	13	7.14	0.04	233	0.23	481	0.12	0
	Minimum	0	0	0	0	8	6.64	0.02	214	0.21	444	0.12	0

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1-Apr-14	3927 Melrose	0	0	0	0	9	6.92	0.05	237.0	0.24	491.0	0.04	0.022
14-Apr-14	3927 Melrose			0	0	10	6.77	0.01	238.0	0.24	490.0		
29-Apr-14	3928 Melrose			0	0	10	6.72	0.02	223.0	0.22	462.0		
	Average	0	0	0	0	9.7	6.8	0.03	232.7	0.2	481.0	0.04	0.022
	Maximum	0	0	0	0	10	6.92	0.05	238	0.24	491	0.04	0.022
	Minimum	0	0	0	0	9	6.72	0.01	223	0.22	462	0.04	0.022

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4-Mar-14	3927 Melrose	0	0	0	0	6	7.02	0.02	238.0	0.24	493.0	0.04	0.008
10-Mar-14	3927 Melrose			0	0	6	6.60	0.00	247.0	0.25	510.0		
18-Mar-14	3927 Melrose			0	0	6	7.28	0.02	219.0	0.22	453.0		
24-Mar-14	3927 Melrose			0	0	7	6.98	0.00	236.0	0.24	488.0		
	Average	0	0	0	0	6.3	7.0	0.01	235.0	0.2	486.0	0.04	0.008
	Maximum	0	0	0	0	7	7.28	0.02	247	0.25	510	0.04	0.008
	Minimum	0	0	0	0	6	6.6	0	219	0.22	453	0.04	0.008

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3-Feb-14	3927 Melrose	0	0	0	0	8	7.03	0.05	237.0	0.24	489.0	0.11	0.019
11-Feb-14	3927 Melrose			0	0	8	6.68	0.06	230.0	0.23	476.0		
18-Feb-14	3927 Melrose			0	0	8	6.89	0.05	234.0	0.23	485.0		
	Average	0	0	0	0	8.0	6.9	0.05	233.7	0.2	483.3	0.11	0.019
	Maximum	0	0	0	0	8	7.03	0.06	237	0.24	489	0.11	0.019
	Minimum	0	0	0	0	8	6.68	0.05	230	0.23	476	0.11	0.019

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6-Jan-14	3927 Melrose	0	0	0	0	7	7.06	0.00	227.0	0.23	468.0	0.08	0.010
13-Jan-14	3927 Melrose			0	0	8	7.07	0.04	235.0	0.23	485.0		
20-Jan-14	3927 Melrose			0	0	7	7.08	0.03	239.0	0.24	495.0		
29-Jan-14	3927 Melrose			0	0	8	7.01	0.02	241.0	0.24	499.0		
	Average	0	0	0	0	7.5	7.1	0.02	235.5	0.2	486.8	0.08	0.01
	Maximum	0	0	0	0	8	7.08	0.04	241	0.24	499	0.08	0.01
	Minimum	0	0	0	0	7	7.01	0	227	0.23	468	0.08	0.01

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