



# Regional District of Nanaimo - Water Services Department

## Melrose Water Analysis - 2022 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer									
		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-Dec-22	3927 Melrose	0	0	0	0	7	6.99	0.03	231.0	0.22	444.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
12-Dec-22	3927 Melrose			0	0	7	6.80	0.03	233.0	0.20	461.0		
21-Dec-22	3927 Melrose			0	0	7	6.79	0.07	224.0	0.22	464.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

### Legend:

\* Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

### Comments:

Notes below about pH (2015) from [https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#\\_ftn1](https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1)

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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3-Nov-22	3927 Melrose	0	0	0	0	13	7.02	0.01	229.0	0.23	473.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
7-Nov-22	3927 Melrose			0	0	12	7.05	0.00	228.0	0.23	471.0		
14-Nov-22	3927 Melrose			0	0	12	6.77	0.02	225.0	0.22	465.0		
22-Nov-22	3927 Melrose			0	0	10	7.21	0.06	233.0	0.22	460.0		
28-Nov-22	3927 Melrose			0	0	10	6.73	0.03	226.0	0.23	468.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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5-Oct-22	3927 Melrose	0	0	0	0	16	6.70	0.03	227.0	0.23	469.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
11-Oct-22	3927 Melrose			0	0	16	7.11	0.01	224.0	0.22	463.0		
17-Oct-22	3927 Melrose			0	0	16	7.09	0.03	214.0	0.22	431.0		
24-Oct-22	3927 Melrose			0	0	15	6.90	0.07	225.0	0.22	466.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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7-Sep-22	3927 Melrose	0	0	0	0	16	6.97	0.03	225.0	0.22	466.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
14-Sep-22	3927 Melrose			0	0	17	6.84	0.05	226.0	0.22	467.0		
21-Sep-22	3927 Melrose			0	0	16	7.06	0.02	226.0	0.22	469.0		
27-Sep-22	3927 Melrose			0	0		6.77	0.02	229.0	0.23	473.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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2-Aug-22	3927 Melrose	0	0	0	0	n/a	6.91	0.02	227.0	0.23	470.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
9-Aug-22	3927 Melrose			0	0	18	6.89	0.02	230.0	0.23	475.0		
16-Aug-22	3927 Melrose			0	0	19	6.88	0.01	226.0	0.22	469.0		
23-Aug-22	3927 Melrose			0	0	17	7.54	0.01	227.0	0.23	470.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



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6-Jul-22	3927 Melrose	0	0	0	0	15	7.73	0.01	229.0	0.23	474.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
13-Jul-22	3927 Melrose			0	0	17	7.28	0.00	231.0	0.23	477.0		
20-Jul-22	3927 Melrose			0	0	15	6.98	0.02	227.0	0.23	470.0		
26-Jul-22	3927 Melrose			0	0	16	7.18	0.00	231.0	0.23	478.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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1-Jun-22	3927 Melrose	0	0	0	0	12	7.00	0.02	228.0	0.23	472.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
8-Jun-22	3927 Melrose			0	0	13	6.96	0.01	230.0	0.23	476.0		
20-Jun-22	3927 Melrose			0	0	13	7.12	0.00	228.0	0.23	472.0		
29-Jun-22	3927 Melrose			0	0	15	7.15	0.00	230.0	0.23	476.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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4-May-22	3927 Melrose	0	0	0	0	9	7.12	0.05	223.0	0.22	462.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
10-May-22	3927 Melrose			0	0	10	6.92	0.02	223.0	0.22	461.0		
16-May-22	3927 Melrose			0	0	10	6.89	0.03	224.0	0.22	464.0		
25-May-22	3927 Melrose			0	0	10	6.79	0.03	228.0	0.23	471.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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5-Apr-22	3927 Melrose	0	0	0	0	8	7.62	0.01	220.0	0.22	456.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
11-Apr-22	3927 Melrose			0	0	8	6.82	0.02	225.0	0.22	465.0		
18-Apr-20	3927 Melrose			0	0	8	6.97	0.02	221.0	0.22	457.0		
25-Apr-22	3927 Melrose			0	0	8	6.98	0.02	221.0	0.23	466.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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2-Mar-22	3927 Melrose	0	0	0	0	6	6.96	0.04	221.0	0.22	457.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
8-Mar-22	3927 Melrose			0	0	7	7.11	0.03	215.0	0.22	445.0		
16-Mar-22	3927 Melrose			0	0	7	6.85	0.05	216.0	0.22	448.0		
23-Mar-22	3927 Melrose			0	0	8	7.53	0.00	217.0	0.22	450.0		
29-Mar-22	3927 Melrose			0	0	8	7.35	0.02	220.0	0.22	456.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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2-Feb-22	3927 Melrose	0	0	0	0	6	6.9	0.02	206	0.2	434	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
8-Feb-22	3927 Melrose	0	0	0	0	6	6.77	0.01	203.6	0.20	423.0		
15-Feb-22	3927 Melrose			0	0	6	7.07	0.00	204.0	0.20	423.0		
23-Feb-22	3927 Melrose			0	0	7	7.27	0.09	235.0	0.23	486.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.



# Regional District of Nanaimo - Water Services Department

## Melrose Water Analysis - 2022 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer									
		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-22	3927 Melrose			0	0	6	7.51	0.00	219.7	0.22	455.0	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/melrose-terrace">https://www.rdn.bc.ca/melrose-terrace</a>	
12-Jan-22	3927 Melrose			0	0	4	7.36	0.02	215.7	0.22	447.0		
17-Jan-22	3927 Melrose	0	0	0	0	5	6.88	0.05	218.0	0.22	451.0		
26-Jan-22	3927 Melrose			0	0	6	6.95	0.02	204.2	0.20	426.0		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

**Legend:**

\* Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

**Comments:**

Notes below about pH (2015) from [https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#\\_ftn1](https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1)

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.