



Regional District of Nanaimo - Water Services Department

Melrose Water Analysis - 2025 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)	Turbidity NTU
7-Jan-25	3927 Melrose	0	0	0	0	8.7		0.01	245.0	0.24	503.0	0.17
14-Jan-25	3927 Melrose			0	0	6.8		0.05	247.0	0.25	510.0	0.13
21-Jan-25	Melrose Pumphouse			0	0	n/a	7.27	0.02	142.8	0.14	297.0	0.12
27-Jan-25	Melrose Pumphouse			0	0	9	7.26	0.01	216.0	0.22	448.0	0.12
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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

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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19-Feb-25	3927 Melrose	0	0	0	0	6	6.94	0.03	247	0.25	509	0.21
26-Feb-25	3927 Melrose			0	0	5	7.06	0.02	122.0	0.12	255.0	0.14
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1

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