

Regional District of Nanaimo - Water Services Department

Westurne Heights 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	1263 Westurne Heights	0	0	0	0	6.4		0.48	42.8	0.04	91.1	0.33
14-Jan-25	1260 Westurne Heights	0	0	0	0	7.9		0.49	42.9	0.04	90.9	0.18
21-Jan-25	1252 Westurne Heights	0	0	0	0	5	7.47	0.33	43.9	0.04	93.2	0.33
27-Jan-25	1260 Westurne Heights	0	0	0	0	8	7.31	0.30	41.3	0.04	87.7	0.17
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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5-Feb-25	1263 Westurne Hts			0	0	7	n/a	0.55	43.1	0.04	91.5	0.26
11-Feb-25	1260 Westurne Hts	0	0	0	0	7.4		0.49	42.8	0.04	88.9	0.26
19-Feb-25	1252 Westurne Hts	0	0	0	0	7.4		0.49	44.1	0.04	89.9	0.22
19-Feb-25	1263 Westurne Hts	0	0	0	0	7.5	6.94	0.50	45.1	0.04	90.1	0.19
26-Feb-25	1260 Westurne Hts	0	0	0	0	6	7.09	0.41	43.0	0.04	91.0	0.31
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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5-Mar-25	1263 Westurne Hts	0	0	0	0	7	7.14	0.36	43.2	0.04	91.7	0.29
12-Mar-25	1260 Westurne Heights	0	0	0	0	9	7.27	0.31	41.8	0.04	88.7	0.23
19-Mar-25	1252 Westurne Hts	0	0	0	0	8	7.05	0.21	422.9	0.04	91.1	0.21
24-Mar-25	1260 Westurne Hts	0	0	0	0	9	7.41	0.44	16	0.02	35	0.22
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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1-Apr-25	1263 Westurne Heights	0	0	0	0	9	7.39	0.38	44.0	0.04	92.0	0.36
9-Apr-25	1260 Westurne Heights	0	0	0	0	9.1	7.59	0.23	42.8	0.04	90.7	0.29
15-Apr-25	1252 Westurne Heights	0	0	0	0	10	8.59	0.33	94.3	0.09	198.6	0.21
23-Apr-25	1260 Westurne Heights	0	0	0	0	9.2	7.65	0.41	42.4	0.04	90.0	0.17
29-Apr-25	1260 Westurne Heights			0	0	8.9	7.08	0.41	42.5	0.04	90.3	0.19
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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7-May-25	1263 Westurne Hts	0	0	0	0	11	7.09	0.39	44.0	0.04	93.0	0.37
13-May-25	1260 Westurne Hts	0	0	0	0	9	7.17	0.53	43.7	0.04	92.5	0.18
21-May-25	1252 Westurne Hts	0	0	0	0	11	7.11	0.28	43.6	0.04	92.7	0.17
26-May-25	1260 Westurne Hts	0	0	0	0	9.2	7.12	0.48	44.1	0.04	94.4	0.26
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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4-Jun-25	1263 Westurne Hts	0	0	0	0	11	6.86	0.41	49.6	0.00	105.4	0.49
11-Jun-25	1260 Westurne Hts	0	0	0	0	11	7.40	0.46	45.4	0.04	96.2	0.22
24-Jun-25	1252 Westurne Hts	0	0	0	0	n/a	n/a	0.44	n/a	n/a	n/a	0.36
24-Jun-25	1260 Westurne Hts	0	0	0	0	11	7.12	0.37	45.0	0.04	95.3	0.21
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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8-Jul-25	1263 Westurne Hts	0	0	0	0	15	7.30	0.51	45.9	0.05	97.2	0.28
15-Jul-25	1260 Westurne Hts	0	0	0	0	11	7.40	0.55	46.6	0.05	98.9	0.19
22-Jul-25	1252 Westurne Hts	0	0	0	0	n/a	n/a	0.50	n/a	n/a	n/a	0.25
22-Jul-25	1260 Westurne Hts	0	0	0	0	11	6.68	0.45	47.0	0.05	99.7	0.28
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12-Aug-25	1260 Westurne Hts	0	0	0	0	11	8.02	0.41	47.2	0.05	100.2	0.20
13-Aug-25	1263 Westurne Hts	0	0	0	0	20	7.45	0.43	47.2	0.05	100.0	0.18
20-Aug-25	1252 Westurne Hts	0	0	0	0	19	7.44	0.45	48.1	0.05	99.7	0.34
20-Aug-25	1260 Westurne Hts	0	0	0	0	9	7.45	0.41	47.9	0.05	100.2	0.31
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3-Sep-25	1263 Westurne Hts	0	0	0	0	18	7.17	0.47	47.0	0.05	99.7	0.22
10-Sep-25	1260 Westurne Hts	0	0	0	0	11	7.18	0.39	48.2	0.05	102.1	0.39
17-Sep-25	1252 Westurne Hts	0	0	0	0	11	7.15	0.49	46.4	0.05	98.7	0.31
17-Sep-25	1260 Westurne Hts	0	0	0	0	9	7.17	0.50	47.1	0.05	97.9	0.25
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