Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2025 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	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	793 San Malo	0	0	0	0	8.1		0.57	35.0	0.03	74.8	0.37
14-Jan-25	962 Ballenas	0	0	0	0	9		0.24	38.7	0.04	82.1	0.18
20-Jan-25	1090 Plummer	0	0	0	0	9	6.67	0.64	36.8	0.04	77.6	0.13
28-Jan-25	995 Sabine	0	0	0	0	7	6.74	0.79	34.3	0.03	72.1	0.16
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

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

Comments:

A full potability scan, including metals and minerals, is completed once per year at an external lab.

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	1090 Plummer	0	0	0	0	8.3	6.97	0.91	38.7	0.04	82.3	0.21
19-Feb-25	962 Ballenas	0	0	0	0	8.2	6.99	0.89	37.9	0.04	84.3	0.22
19-Feb-25	995 Sabine	0	0	0	0	8.2	7	0.9	36.9	0.04	85.1	0.25
26-Feb-25	995 Sabine	0	0	0	0	7	7.4	0.57	39	0.04	82	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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5-Mar-25	793 San Malo	0	0	0	0	9	6.69	0.48	51.5	0.05	111.3	0.12
11-Mar-25	962 Ballenas	0	0	0	0	8	6.20	0.42	40.5	0.04	86.2	0.18
19-Mar-25	1090 Plummer	0	0	0	0	9	6.69	0.62	35.9	0.04	76.2	0.13
25-Mar-25	995 Sabine	0	0	0	0	9	6.80	0.63	14.5	0.01	30.0	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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8-Apr-25	1090 Plummer	0	0	0	0	9.5	6.86	0.71	31.2	0.03	67.0	0.26
15-Apr-25	1090 Plummer	0	0	0	0	9	6.80	0.66	31.0	0.03	65.0	0.58
22-Apr-25	995 Sabine	0	0	0	0	9.5	6.91	0.69	59.0	0.06	121.8	0.18
30-Apr-25	793 San Malo	0	0	0	0	12.6	7.02	0.62	33.2	0.03	70.3	0.24
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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6-May-25	793 San Malo	0	0	0	0	12	6.61	0.66	33.4	0.03	70.9	0.22
13-May-25	962 Ballenas	0	0	0	0	11	7.08	0.62	36.0	0.04	76.5	0.14
21-May-25	1090 Plummer	0	0	0	0	11	7.58	0.68	31.8	0.03	67.8	0.31
26-May-25	962 Ballenas	0	0	0	0	12	6.95	0.57	36.6	0.04	79.4	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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3-Jun-25	793 San Malo	0	0	0	0	14	7.23	0.43	286.0	0.29	589.0	0.37
9-Jun-25	962 Ballenas	0	0	0	0	14	7.43	0.46	286.0	0.28	588.0	0.20
17-Jun-25	1090 Plummer	0	0	0	0	11	n/a	0.84	n/a	n/a	n/a	n/a
17-Jun-25	995 Sabine	0	0	0	0	14	7.14	0.79	38.8	0.04	82.5	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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