



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)	
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	

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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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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8-Jul-25	793 San Malo	0	0	0	0	15	7.70	0.61	37.9	0.04	80.9	0.27	
15-Jul-25	962 Ballenas	0	0	0	0	16	5.99	0.56	51.5	0.05	109.0	0.25	
23-Jul-25	1090 Plummer			0	0	14	6.51	0.82	50.7	0.05	107.9	0.24	
23-Jul-25	995 Sabine			0	0	n/a	n/a	0.78	n/a	n/a	n/a	n/a	
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-Aug-25	793 San Malo	0	0	0	0	17	7.86	0.68	50.6	0.05	114.7	0.18	
13-Aug-25	962 Ballenas	0	0	0	0	17	6.72	0.53	51.9	0.05	110.0	0.21	
20-Aug-25	1090 Plummer	0	0	0	0	16	6.71	0.60	52.0	0.05	110.2	0.29	
20-Aug-25	995 Sabine	0	0	0	0	16	6.74	0.59	53.0	0.05	111.4	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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3-Sep-25	793 San Malo	0	0	0	0	16	6.49	0.73	52.2	0.05	110.5	0.23	
10-Sep-25	962 Ballenas	0	0	0	0	17	6.61	0.67	51.3	0.05	108.0	0.17	
17-Sep-25	1090 Plummer	0	0	0	0	17	6.68	0.67	51.3	0.05	109.2	0.29	
24-Sep-25	995 Sabine	0	0	0	0	16	6.75	0.83	52.2	0.05	110.6	0.25	
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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15-Oct-25	793 San Malo	0	0					0.79					0.15
15-Oct-25	1090 Plummer	0	0			16	7.04	0.83	53.0	0.05	112.6		0.14
22-Oct-25	962 Ballenas	0	0			15	6.72	0.51	56.7	0.06	120.1		0.26
29-Oct-25	995 Sabine	0	0			13	6.92	0.82	49.7	0.05	106.5		0.18
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-Nov-25	793 San Malo	0	0					0.53					0.13
5-Nov-25	1090 Plummer	0	0			13	7.02	0.51	49.0	0.05	100.0		0.21
12-Nov-25	962 Ballenas	0	0			11	7.30	0.33	40.5	0.04	86.2		0.13
17-Nov-25	995 Sabine	0	0			11	6.71	0.62	36.9	0.04	78.4		0.15
CDN Drinking Water Guidelines		<1	0	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		<1

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3-Dec-25	1090 Plummer	0	0			12.5	7.45	0.65	35.1	0.03	74.7	0.15	
9-Dec-25	962 Ballenas	0	0			11.9	6.79	0.47	46.8	0.04	89.2	0.15	
15-Dec-25	1090 Plummer	0	0			10.5	7.02	0.50	33.9	0.03	72.2	0.16	
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