



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2024 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)
3-Jan-24	793 San Malo	0	0	0	0	9	6.77	0.62	35.7	0.03	75.8	0.14
10-Jan-24	995 Sabine	0	0	0	0	9	6.50	0.74	34.9	0.03	74.1	0.29
31-Jan-24	962 Ballenas	0	0	0	0	9	6.70	0.69	34.2	0.03	75.0	0.28
31-Jan-24	1090 Plummer	0	0	0	0	9	6.80	0.66	35.6	0.03	74.9	0.33
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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6-Feb-24	793 San Malo	0	0	0	0	8	6.83	0.45	36.3	0.04	77.0	0.24
14-Feb-24	962 Ballenas	0	0	0	0	9	6.96	0.19	42.5	0.04	90.0	0.24
21-Feb-24	995 Sabine	0	0	0	0	8	6.60	0.55	36.6	0.04	77.7	0.27
28-Feb-24	995 Sabine	0	0	0	0	8	6.97	0.72	36.1	0.04	76.9	0.16
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-Mar-24	793 San Malo	0	0	0	0	8	6.71	0.46	35.1	0.03	74.7	0.14
19-Mar-24	1090 Plummer	0	0	0	0	9	7.20	0.47	32.4	0.03	68.8	0.29
19-Mar-24	793 San Malo	0	0	0	0	9		0.45				0.31
27-Mar-24	962 Ballenas	0	0	0	0	9	7.34	0.29	34.9	0.03	74.0	0.45
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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10-Apr-24	793 San Malo	0	0	0	0	10	7.00	0.63	32.0	0.03	68.1	0.23
17-Apr-24	962 Ballenas	0	0	0	0	10	6.80	0.54	32.2	0.03	68.3	0.25
23-Apr-24	1090 Plummer	0	0	0	0	11	6.77	0.76	31.9	0.03	67.9	0.20
29-Apr-24	995 Sabine	0	0	0	0	10	6.80	0.61	33.3	0.03	68.9	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-May-24	793 San Malo	0	0	0	0	12	6.40	0.61	33.2	0.03	70.6	0.14
14-May-24	962 Ballenas	0	0	0	0	12	6.69	0.54	34.6	0.03	73.6	0.16
21-May-24	1090 Plummer	0	0	0	0	12	6.70	0.76	34.1	0.03	71.9	0.22
28-May-24	995 Sabine	0	0	0	0	13	6.66	0.68	35.1	0.03	74.5	0.17
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-Jun-24	793 San Malo	0	0	0	0	15	7.28	0.66	34.6	0.03	73.1	0.22
12-Jun-24	962 Ballenas	0	0	0	0	14	6.51	0.46	35.6	0.03	75.8	0.24
18-Jun-24	1090 Plummer	0	0	0	0	13	6.41	0.70	34.4	0.03	73.1	0.26
25-Jun-24	995 Sabine	0	0	0	0	14	7.22	0.63	38.5	0.04	81.8	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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3-Jul-24	1090 Plummer			0	0	13	6.82	0.67	41.6	0.04	89.2	0.24
9-Jul-24	962 Ballenas			0	0	14	6.81	0.55	47.0	0.05	100.0	0.23
16-Jul-24	1090 Plummer			0	0	n/a	6.94	0.66	48.0	0.05	102.0	0.28
23-Jul-24	995 Sabine			0	0	15	6.83	0.70	48.4	0.05	102.7	0.19
31-Jul-24	1090 Plummer			0	0	18	7.86	0.61	48.5	0.05	102.9	0.16
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-Aug-24	793 San Malo	0	0	0	0	18	6.51	0.55	51.3	0.05	108.7	0.15
14-Aug-24	962 Ballenas	0	0	0	0	16	7.12	0.43	53.0	0.05	112.3	0.28
20-Aug-24	1090 Plummer	0	0	0	0	16	7.14	0.56	50.3	0.05	106.4	0.26
26-Aug-24	995 Sabine	0	0	0	0	18	7.60	0.61	51.2	0.05	108.4	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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4-Sep-24	793 San Malo	0	0	0	0	17	6.59	0.66	52.6	0.05	111.4	0.21
11-Sep-24	962 Ballenas	0	0	0	0	16.5	7.00	0.51	53.1	0.05	112.2	0.17
18-Sep-24	1090 Plummer			0	0	16	6.93	0.64	51.7	0.05	109.4	0.21
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