



# Regional District of Nanaimo - Water Services Department

## San Pareil Water Analysis - 2023 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	Total Iron (mg/L)	Manganese (mg/L)
5-Dec-23	793 San Malo	0	0	0	0	10	6.90	0.66	39.6	0.04	83.9	0.32	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
12-Dec-23	962 Ballenas	0	0	0	0	10	7.00	0.26	46.1	0.05	98.1	0.16		
20-Dec-23	995 Sabine	0	0	0	0	10		0.78				0.19		
20-Dec-23	1090 Plummer	0	0	0	0	10	7.00	0.88	38.9	0.04	82.7	0.11		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		0.3	0.02 AO 0.12 MAC

**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](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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8-Nov-23	793 San Malo	0	0	0	0		7.07	0.50	43.6	0.04	92.8	0.26	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
15-Nov-23	995 Sabine	0	0	0	0	12	6.81	0.52	49.3	0.05	83.2	0.67		
20-Nov-23	962 Ballenas	0	0	0	0		7.09	0.06	46.8	0.05	99.1	0.17		
29-Nov-23	1090 Plummer	0	0	0	0	10	6.65	0.57	38.2	0.04	81.0	0.14		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		0.3	0.02 AO 0.12 MAC

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4-Oct-23	793 San Malo	0	0	0	0	15	6.70	0.77	52.3	0.05	116.0	0.11	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
11-Oct-23	962 Ballenas	0	0	0	0	15	6.41	0.65	55.2	0.05	117.0	0.20		
17-Oct-23	1090 Plummer	0	0	0	0	15	7.35	0.63	54.7	0.05	116.0	0.30		
23-Oct-23	995 Sabine	0	0	0	0	14	6.66	0.42	50.3	0.05	106.8	0.14		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		0.3	0.02 AO 0.12 MAC

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6-Sep-23	793 San Malo	0	0	0	0	17	6.68	0.77	510.0	0.05	108.1	0.28	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
12-Sep-23	962 Ballenas	0	0	0	0	17	6.75	0.49	53.9	0.05	115.0	0.29		
19-Sep-23	1090 Plummer	0	0	0	0	15	6.64	0.77	55.7	0.05	118.0	0.33		
27-Sep-23	995 Sabine	0	0	0	0	17	6.51	0.76	54.7	0.05	115.7	0.18		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		0.3	0.02 AO 0.12 MAC

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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.
Acceptability	Total dissolved solids (TDS) (1991)	None	AO: ≤500	Naturally occurring; sewage, urban and agricultural runoff, industrial wastewater	Not applicable	Based on taste; TDS above 500 mg/L results in excessive scaling in water pipes, water heaters, boilers and appliances; TDS is composed of calcium, magnesium, sodium, potassium, carbonate, bicarbonate, chloride, sulphate and nitrate.



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1-Aug-23	793 San Malo			0	0	17	6.67	0.63	n/a	n/a	n/a	0.16	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
9-Aug-23	962 Ballenas	0	0	0	0	15	6.71	0.67	n/a	n/a	n/a	0.21		
15-Aug-23	1090 Plummer	0	0	0	0	16	6.86	0.62	n/a	n/a	n/a	0.43		
22-Aug-23	995 Sabine	0	0	0	0	18	6.74	0.64	n/a	n/a	n/a	0.14		
29-Aug-23	1090 Plummer			0	0	16	7.22	0.83	51.3	0.05	108.0	0.22		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a		0.3	0.02 AO 0.12 MAC

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4-Jul-23	793 San Malo	0	0	0	0	16	6.63	0.72	44.1	0.04	93.6	0.16	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/">https://www.rdn.bc.ca/</a>	
11-Jul-23	962 Ballenas	0	0	0	0	17	6.65	0.53	46.8	0.05	98.2	0.20		
18-Jul-23	1090 Plummer			0	0	16	6.65	0.70	n/a	n/a	n/a	0.83		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1	0.3	0.02 AO 0.12 MAC

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6-Jun-23	793 San Malo	0	0	0	0	14	6.67	0.80	32.4	0.03	69.1	0.24	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
14-Jun-23	962 Ballenas	0	0	0	0	15	7.17	0.64	38.8	0.04	82.7	0.40		
20-Jun-23	1090 Plummer	0	0	0	0	12	6.90	0.94	34.9	0.04	79.8	0.09		
27-Jun-23	995 Sabine	0	0	0	0	15	6.71	0.93	47.30	0.05	100.30	0.11		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	<1	0.3	0.02 AO 0.12 MAC

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3-May-23	793 San Malo	0	0	0	0	9	7.06	0.59	28.2	0.03	60.1	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
10-May-23	962 Ballenas	0	0	0	0	9	7.05	0.58	43.0	0.04	91.3		
17-May-23	1090 Plummer	0	0	0	0	10	7.85	0.78	27.0	0.03	57.8		
24-May-23	995 Sabine	0	0	0	0	9	7.16	0.88	28.9	0.03	61.6		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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3-Apr-23	793 San Malo	0	0	0	0	8	7.01	0.64	32.8	0.03	69.7	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
12-Apr-23	962 Ballenas	0	0	0	0	8	7.10	0.44	32.8	0.03	69.9		
19-Apr-23	1090 Plummer	0	0	0	0	8	7.57	0.66	29.9	0.03	63.5		
26-Apr-23	995 Sabine	0	0	0	0	7	7.13	0.67	29.3	0.03	62.5		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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22-Mar-23	1090 Plummer	0	0	0	0	7	6.90	0.71	39.6	0.04	84.0		
27-Mar-23	995 Sabine	0	0	0	0	8	7.05	0.70	38.1	0.04	81.0		
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21-Feb-23	1090 Plummer	0	0	0	0	8	7.24	0.70	33.2	0.03	67.1		
27-Feb-23	995 Sabine	0	0	0	0	7	7.70	0.68	30.3	0.03	64.6		
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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](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.



# Regional District of Nanaimo - Water Services Department

## San Pareil Water Analysis - 2023 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)	Total Iron (mg/L)	Manganese (mg/L)
3-Jan-23	793 San Malo	0	0	0	0	7	7.40	0.70	40.7	0.04	86.4	Fe and Mn are no longer tested in-house. See Annual Tap Water Results at <a href="https://www.rdn.bc.ca/san-pareil">https://www.rdn.bc.ca/san-pareil</a>	
10-Jan-23	1090 Plummer	0	0	0	0	8	7.10	0.68	37.8	0.04	80.2		
18-Jan-23	962 Ballenas	0	0	0	0	8	7.11	0.34	36.3	0.04	77.3		
25-Jan-23	995 Sabine	0	0	0	0	8	7.00	0.65	34.1	0.03	72.5		
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

**Legend:**

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**Comments:**

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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](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.