



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2019 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)
2-Dec-19	793 San Malo	0	0	0	0	9	6.67	0.27	97.8	0.10	205.7	0.03	0.015
10-Dec-19	962 Ballenas	0	0	0	0	9	6.82	0.50	45.4	0.04	96.3		
10-Dec-19	1190 Plummer	0	0	0	0	9		0.52					
17-Dec-19	962 Sabine	0	0	0	0	9	6.58	0.79	40.2	0.04	85.4		
	Average	0	0	0	0	9.0	6.7	0.52	61.1	0.1	129.1	0.03	0.015
	Maximum	0	0	0	0	9	6.82	0.79	97.8	0.1	205.7	0.03	0.015
	Minimum	0	0	0	0	9	6.58	0.27	40.2	0.04	85.4	0.03	0.015

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



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6-Nov-19	793 San Malo	0	0	0	0	12	6.86	0.60	43.0	0.04	91.4	0.01	0.010
13-Nov-19	962 Ballenas	0	0	0	0	11	6.87	0.44	46.5	0.05	98.7		
20-Nov-19	995 Sabine	0	0	0	0	11	6.78	0.77	44.9	0.04	95.1		
27-Nov-19	1190 Plummer	0	0	0	0	11	6.77	0.45	43.3	0.04	92.0		
	Average	0	0	0	0	11.3	6.8	0.57	44.4	0.04	94.3	0.01	0.01
	Maximum	0	0	0	0	12	6.87	0.77	46.5	0.05	98.7	0.01	0.01
	Minimum	0	0	0	0	11	6.77	0.44	43	0.04	91.4	0.01	0.01

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1-Oct-19	793 San Malo	0	0	0	0	15	6.77	0.82	49.8	0.05	105.4	0.01	0.019
7-Oct-19	962 Ballenas	0	0	0	0	15	6.93	0.62	52.1	0.05	109.7		
15-Oct-19	995 Sabine	0	0	0	0	14	6.70	0.79	49.7	0.05	105.3		
21-Oct-19	1190 Plummer	0	0	0	0		7.00	0.71	49.4	0.05	104.7		
30-Oct-19	995 Sabine			0	0	13	6.68	0.69	46.0	0.05	97.6		
	Average	0	0	0	0	14.3	6.8	0.73	49.4	0.05	104.5	0.01	0.019
	Maximum	0	0	0	0	15	7	0.82	52.1	0.05	109.7	0.01	0.019
	Minimum	0	0	0	0	13	6.68	0.62	46	0.05	97.6	0.01	0.019

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4-Sep-19	793 San Malo	0	0	0	0	16	6.74	0.84	53.8	0.05	114.0	0.03	0.017
11-Sep-19	962 Ballenas	0	0	0	0	16	6.91	0.73	55.4	0.05	117.2		
16-Sep-19	1190 Plummer	0	0	0	0	15	6.96	0.84	54.4	0.05	115.8		
23-Sep-19	995 Sabine	0	0	0	0	16	6.83	0.75	53.5	0.05	113.0		
	Average	0	0	0	0	15.8	6.9	0.79	54.3	0.05	115.0	0.03	0.017
	Maximum	0	0	0	0	16	6.96	0.84	55.4	0.05	117.2	0.03	0.017
	Minimum	0	0	0	0	15	6.74	0.73	53.5	0.05	113.0	0.03	0.017

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7-Aug-19	793 San Malo	0	0	0	0	17	6.74	0.78	52.8	0.05	111.7	0.04	0.013
14-Aug-19	962 Ballenas	0	0	0	0	15	6.93	0.74	52.8	0.05	110.2		
21-Aug-19	995 Sabine	0	0	0	0	16	6.76	0.91	52.7	0.05	111.8		
28-Aug-19	1190 Plummer	0	0	0	0	14	6.60	0.84	53.6	0.05	113.5		
	Average	0	0	0	0	15.5	6.8	0.82	53.0	0.05	111.8	0.04	0.013
	Maximum	0	0	0	0	17	6.93	0.91	53.6	0.05	113.5	0.04	0.013
	Minimum	0	0	0	0	14	6.6	0.74	52.7	0.05	110.2	0.04	0.013

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A*: Sample not tested; too long in transit



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2-Jul-19	793 San Malo	0	0	0	0	16	6.80	0.73	49.8	0.05	105.4	0.03	0.014
10-Jul-19	962 Ballenas	0	0	0	0	17	6.77	0.55	53.7	0.05	113.7		
17-Jul-19	995 Sabine	0	0	0	0	17	6.70	0.81	51.5	0.05	109.2		
24-Jul-19	1190 Plummer	0	0	0	0	17	7.04	0.62	51.3	0.05	109.5		
31-Jul-19	962 Ballenas			0	0	15	6.75	0.73	53.4	0.05	112.5		
	Average	0	0	0	0	16.4	6.8	0.69	51.9	0.05	110.1	0.03	0.014
	Maximum	0	0	0	0	17	7.04	0.81	53.7	0.05	113.7	0.03	0.014
	Minimum	0	0	0	0	15	6.7	0.55	49.8	0.05	105.4	0.03	0.014

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5-Jun-19	793 San Malo	0	0	0	0	13	6.40	0.84	38.0	0.04	80.9	0.02	0.019
12-Jun-19	962 Ballenas	0	0	0	0	13	6.38	0.65	41.1	0.04	87.6		
19-Jun-19	995 Sabine	0	0	0	0	13	6.48	0.74	44.1	0.04	93.8		
19-Jun-19	1190 Plummer	0	0	0	0	10	6.51	0.76	42.9	0.04	92.9		
24-Jun-19	962 Ballenas			0	0	13	6.48	0.07	46.8	0.05	98.8		
	Average	0	0	0	0	12.4	6.5	0.61	42.6	0.0	90.8	0.02	0.019
	Maximum	0	0	0	0	13	6.51	0.84	46.8	0.05	98.8	0.02	0.019
	Minimum	0	0	0	0	10	6.38	0.073	38	0.04	80.9	0.02	0.019

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2-May-19	1190 Plummer			0	0	8	6.90	0.72	32.4	0.03	69.1		
8-May-19	793 San Malo	0	0	0	0	10	6.42	0.79	34.2	0.03	72.8	0.02	0.002
15-May-19	962 Ballenas	0	0	0	0	12	6.56	0.58	38.8	0.04	82.2		
23-May-19	995 Sabine	0	0	0	0	10	6.15	0.79	34.6	0.03	73.7		
23-May-19	1190 Plummer	0	0	0	0	9		0.76					
29-May-19	962 Ballenas			0	0	13	6.38	0.82	36.4	0.04	77.6		
	Average	0	0	0	0	10.3	6.5	0.74	35.0	0.03	74.5	0.02	0.002
	Maximum	0	0	0	0	13	6.9	0.82	38.8	0.04	82.2	0.02	0.002
	Minimum	0	0	0	0	8	6.15	0.58	32.4	0.03	69.1	0.02	0.002

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3-Apr-19	793 San Malo	0	0	0	0	9	6.77	0.50	37.0	0.04	78.6	0.00	0.007
3-Apr-19	1190 Plummer	0	0	0	0	8		0.46					
10-Apr-19	962 Ballenas	0	0	0	0	9	7.03	0.60	37.8	0.04	80.1		
17-Apr-19	995 Sabine	0	0	0	0	9	6.91	0.87	34.4	0.03	73.1		
25-Apr-19	1190 Plummer			0	0	8	6.72	0.84	33.8	0.03	71.9		
	Average	0	0	0	0	8.6	6.9	0.65	35.8	0.04	75.9	0.00	0.007
	Maximum	0	0	0	0	9	7.03	0.87	37.8	0.04	80.1	0	0.007
	Minimum	0	0	0	0	8	6.72	0.46	33.8	0.03	71.9	0	0.007

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6-Mar-19	Behind 1190 Plummer	0	0	0	0	7		0.76					
6-Mar-19	995 Sabine	0	0	0	0	7	6.84	0.74	39.9	0.04	89.4	0.02	0.000
13-Mar-19	793 San Malo	0	0	0	0	7		0.50					
13-Mar-19	962 Ballenas	0	0	0	0	7	6.94	0.39	51.6	0.05	109.4		
20-Mar-19	1190 Plummer			0	0	7	6.62	0.71	42.3	0.04	89.7		
28-Mar-19	962 Ballenas			0	0	7	6.84	0.66	44.4	0.04	94.2		
	Average	0	0	0	0	7.0	6.8	0.63	44.6	0.04	95.7	0.02	0.000
	Maximum	0	0	0	0	7	6.94	0.76	51.6	0.05	109.4	0.02	0.000
	Minimum	0	0	0	0	7	6.62	0.39	39.9	0.04	89.4	0.02	0.000

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6-Feb-19	1190 Plummer	0	0	0	0	6	6.85	0.39	84.5	0.08	177.7	0.03	0.020
13-Feb-19	793 San Malo	0	0	0	0	6		0.77					
13-Feb-19	962 Ballenas	0	0	0	0	7	6.85	0.36	46.9	0.05	99.6		
20-Feb-19	995 Sabine	0	0	0	0		6.80	0.46	73.0	0.07	154.1		
	Average	0	0	0	0	6.3	6.8	0.50	68.1	0.07	143.8	0.03	0.02
	Maximum	0	0	0	0	7	6.85	0.77	84.5	0.08	177.7	0.03	0.02
	Minimum	0	0	0	0	6	6.8	0.36	46.9	0.05	99.6	0.03	0.02

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9-Jan-19	793 San Malo	0	0	0	0	7	6.71	0.51	41.0	0.04	81.0	0.02	0.014
16-Jan-19	995 Sabine	0	0	0	0	8	6.72	0.92	39.7	0.04	84.3		
30-Jan-19	962 Ballenas	0	0	0	0	7	6.88	0.31	47.4	0.05	99.8		
	Average	0	0	0	0	7.3	6.8	0.58	42.7	0.04	88.4	0.02	0.014
	Maximum	0	0	0	0	8	6.88	0.92	47.4	0.05	99.8	0.02	0.014
	Minimum	0	0	0	0	7	6.71	0.31	39.7	0.04	81.0	0.02	0.014

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