



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2018 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)
5-Dec-18	793 San Malo	0	0	0	0	10	6.57	0.51	39.7	0.04	84.3	0.02	0.021
5-Dec-18	Behind 1190 Plummer	0	0	0	0	10		0.60					
12-Dec-18	995 Sabine	0	0	0	0	8	6.62	0.66	39.8	0.04	84.6		
19-Dec-18	962 Ballenas	0	0	0	0	9	6.81	0.20	39.3	0.04	83.3		
	Average	0	0	0	0	9.3	6.7	0.49	39.6	0.0	84.1	0.02	0.021
	Maximum	0	0	0	0	10	6.81	0.66	39.8	0.04	84.6	0.02	0.021
	Minimum	0	0	0	0	8	6.57	0.2	39.3	0.04	83.3	0.02	0.021

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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7-Nov-18	793 San Malo	0	0	0	0	12	6.63	0.68	50.2	0.05	106.4	0.02	0.013
13-Nov-18	Behind 1190 Plummer	0	0	0	0	12	6.60	0.82	44.4	0.04	94.1		
21-Nov-18	962 Ballenas	0	0	0	0	11	6.84	0.28	47.6	0.05	100.9		
28-Nov-18	995 Sabine	0	0	0	0	11	6.66	0.74	39.8	0.04	84.4		
	Average	0	0	0	0	11.5	6.7	0.63	45.5	0.05	96.5	0.02	0.013
	Maximum	0	0	0	0	12	6.84	0.82	50.2	0.05	106.4	0.02	0.013
	Minimum	0	0	0	0	11	6.6	0.28	39.8	0.04	84.4	0.02	0.013

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3-Oct-18	793 San Malo	0	0	0	0	15	6.55	0.67	49.3	0.05	104.7	0.02	0.026
10-Oct-18	Behind 1190 Plummer	0	0	0	0	14	6.61	0.71	46.5	0.05	98.4		
17-Oct-18	962 Ballenas	0	0	0	0	14	6.79	0.34	50.7	0.05	107.5		
24-Oct-18	995 Sabine	0	0	0	0	13	6.99	0.50	46.8	0.05	99.3		
31-Oct-18	962 Ballenas			0	0	12	7.08	0.40	54.5	0.05	114.0		
	Average	0	0	0	0	13.6	6.8	0.52	49.6	0.05	104.8	0.02	0.026
	Maximum	0	0	0	0	15	7.08	0.71	54.5	0.05	114	0.02	0.026
	Minimum	0	0	0	0	12	6.55	0.34	46.5	0.05	98.4	0.02	0.026

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5-Sep-18	793 San Malo	0	0	0	0	16	6.71	0.68	47.5	0.05	100.8	0.03	0.011
12-Sep-18	Behind 1190 Plummer	0	0	0	0	15	6.66	0.67	47.6	0.05	101.1		
19-Sep-18	962 Ballenas	0	0	0	0	16	6.76	0.36	51.9	0.05	110.0		
25-Sep-18	995 Sabine			0	0	16	6.67	0.67	50.0	0.05	105.6		
	Average	0	0	0	0	15.8	6.7	0.60	49.3	0.05	104.4	0.03	0.011
	Maximum	0	0	0	0	16	6.76	0.68	51.9	0.05	110.0	0.03	0.011
	Minimum	0	0	0	0	15	6.66	0.36	47.5	0.05	100.8	0.03	0.011

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8-Aug-18	793 San Malo	0	0	0	0	16	6.34	0.70	45.9	0.04	97.2	0.02	0.013
15-Aug-18	Behind 1190 Plummer	0	0	0	0	15	6.62	0.79	47.6	0.05	101.2		
22-Aug-18	962 Ballenas		A*	0	0	17	6.57	0.68	49.3	0.05	104.4		
28-Aug-18	995 Sabine	0	0	0	0	16	6.29	0.72	47.5	0.05	100.8		
	Average	0	0	0	0	16.0	6.5	0.72	47.6	0.05	100.9	0.02	0.013
	Maximum	0	0	0	0	17	6.62	0.79	49.3	0.05	104.4	0.02	0.013
	Minimum	0	0	0	0	15	6.29	0.68	45.9	0.04	97.2	0.02	0.013

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A*: Sample not tested; too long in transit



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4-Jul-18	793 San Malo	0	0	0	0	13	6.47	0.92	37.4	0.04	79.9	0.00	0.022
11-Jul-18	Behind 1090 Plummer	0	0	0	0	11	6.32	0.89	41.0	0.04	87.1		
18-Jul-18	962 Ballenas	0	0	0	0	14	6.41	0.77	45.4	0.04	96.2		
25-Jul-18	995 Sabine	0	0	0	0	16	6.26	0.81	44.9	0.04	95.0		
31-Jul-18	962 Ballenas	0	0	0	0	15	6.62	0.61	47.0	0.05	99.0		
	Average	0	0	0	0	13.8	6.4	0.80	43.1	0.04	91.4	0.00	0.022
	Maximum	0	0	0	0	16	6.62	0.92	47.0	0.05	99.0	0.00	0.022
	Minimum	0	0	0	0	11	6.26	0.61	37.4	0.04	79.9	0.00	0.022

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6-Jun-18	793 San Malo	0	0	0	0	12	6.26	0.71	31.1	0.03	66.7		
13-Jun-18	Behind 1090 Pluimner	0	0	0	0	9	6.34	0.82	33.7	0.03	71.4	0.02	0.002
20-Jun-18	962 Ballenas	0	0	0	0	13	6.46	0.58	35.5	0.03	75.8		
27-Jun-18	995 Sabine	0	0	0	0		6.20	0.87	36.1	0.04	76.7		
	Average	0	0	0	0	11.3	6.3	0.75	34.1	0.0	72.7	0.02	0.002
	Maximum	0	0	0	0	13	6.46	0.87	36.1	0.04	76.7	0.02	0.002
	Minimum	0	0	0	0	9	6.2	0.58	31.1	0.03	66.7	0.02	0.002

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2-May-18	793 San Malo	0	0	0	0	11	6.41	0.59	30.9	0.03	66.3	0.04	0.012
9-May-18	1190 Plummer	0	0	0	0	9	6.42	0.70	30.4	0.03	64.6		
16-May-18	962 Ballenas	0	0	0	0		6.41	0.54	31.6	0.03	67.1		
23-May-18	995 Sabine	0	0	0	0	13	6.34	0.56	28.6	0.03	61.1		
30-May-18	962 Ballenas			0	0	12	6.26	0.13	33.7	0.03	71.9		
	Average	0	0	0	0	11.3	6.4	0.50	31.0	0.03	66.2	0.04	0.012
	Maximum	0	0	0	0	13	6.42	0.7	33.7	0.03	71.9	0.04	0.012
	Minimum	0	0	0	0	9	6.26	0.13	28.6	0.03	61.1	0.04	0.012

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4-Apr-18	793 San Malo	0	0	0	0	8	6.35	0.70	35.0	0.03	74.7	0.01	0.000
11-Apr-18	Behind 1190 Plummer	0	0	0	0	8	6.17	0.75	33.2	0.03	70.9		
17-Apr-18	962 Ballenas	0	0	0	0	8.5	6.63	0.39	36.5	0.04	76.1		
25-Apr-18	995 Sabine	0	0	0	0	9	6.37	0.63	32.7	0.03	69.4		
Average		0	0	0	0	8.4	6.4	0.62	34.4	0.03	72.8	0.01	0.000
Maximum		0	0	0	0	9	6.63	0.75	36.5	0.04	76.1	0.01	0.000
Minimum		0	0	0	0	8	6.17	0.39	32.7	0.03	69.4	0.01	0.000

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7-Mar-18	793 San Malo	0	0	0	0	7	6.15	0.78	47.0	0.05	101.3	0.00	0.000
14-Mar-18	Behind 1190 Plummer	0	0	0	0	8	6.27	0.91	42.5	0.04	90.7		
21-Mar-18	962 Ballenas	0	0	0	0	8	6.40	0.41	46.9	0.05	99.4		
27-Mar-18	995 Sabine	0	0	0	0	8	6.29	0.73	39.8	0.04	84.9		
	Average	0	0	0	0	7.8	6.3	0.71	44.1	0.05	94.1	0.00	0.000
	Maximum	0	0	0	0	8	6.40	0.91	47.0	0.05	101.3	0.00	0.000
	Minimum	0	0	0	0	7	6.15	0.41	39.8	0.04	84.9	0.00	0.000

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7-Feb-18	793 San Malo	0	0	0	0	8	6.21	0.31	41.2	0.04	87.7	0.03	0.011
14-Feb-18	Behind 1190 Plummer	0	0	0	0		6.53	0.56	43.5	0.04	92.1		
21-Feb-18	962 Ballenas	0	0	0	0	8	6.26	0.20	53.1	0.05	111.8		
28-Feb-18	995 Sabine	0	0	0	0	7	6.33	0.75	47.9	0.05	102.1		
	Average	0	0	0	0	7.7	6.3	0.46	46.4	0.05	98.4	0.03	0.011
	Maximum	0	0	0	0	8	6.53	0.75	53.1	0.05	111.8	0.03	0.011
	Minimum	0	0	0	0	7	6.21	0.20	41.2	0.04	87.7	0.03	0.011

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3-Jan-18	793 San Malo	0	0	0	0	6	6.71	0.77	42.5	0.04	90.3	0.01	0.000
10-Jan-18	Behind 1190 Plummer	0	0	0	0	10	6.44	0.78	50.4	0.05	108.5		
17-Jan-18	962 Ballenas	0	0	0	0	8	6.39	0.47	46.0	0.05	97.7		
24-Jan-18	995 Sabine	0	0	0	0	9	6.28	0.70	36.7	0.04	78.1		
31-Jan-18	962 Ballenas			0	0	9	6.78	0.28	46.8	0.05	99.0		
	Average	0	0	0	0	8.4	6.5	0.60	44.5	0.05	94.7	0.01	0.000
	Maximum	0	0	0	0	10	6.78	0.78	50.4	0.05	108.5	0.01	0.000
	Minimum	0	0	0	0	6	6.28	0.28	36.7	0.04	78.1	0.01	0.000

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