



# Regional District of Nanaimo - Water Services Department

## San Pareil Water Analysis - 2017 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)
6-Dec-17	793 San Malo	0	0	0	0	9	6.43	0.51	41.9	0.04	88.7	0.04	0.000
13-Dec-17	Behind 1190 Plummer	0	0	0	0	10	6.70	0.71	42.7	0.04	90.6		
13-Dec-17	962 Ballenas	0	0	0	0	9.5	6.67	0.21	60.4	0.06	114.0		
	<b>Average</b>	0	0	0	0	9.5	6.6	0.48	48.3	0.05	97.8	0.04	0.000
	<b>Maximum</b>	0	0	0	0	10	6.70	0.71	60.4	0.06	114.0	0.04	0.000
	<b>Minimum</b>	0	0	0	0	9	6.43	0.21	41.9	0.04	88.7	0.04	0.000

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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8-Nov-17	793 San Malo	0	0	0	0	11	6.42	0.69	46.5	0.05	98.5	0.00	0.000
15-Nov-17	Behind 1190 Plummer		A*	0	0	12	6.55	0.69	46.3	0.05	97.9		
22-Nov-17	962 Ballenas	0	0	0	0	9	6.64	0.21	53.4	0.05	113.6		
29-Nov-17	995 Sabine	0	0	0	0	10		0.56					
	<b>Average</b>	0	0	0	0	10.5	6.5	0.54	48.7	0.05	103.3	0.00	0.000
	<b>Maximum</b>	0	0	0	0	12	6.64	0.69	53.4	0.05	113.6	0.00	0.000
	<b>Minimum</b>	0	0	0	0	9	6.42	0.21	46.3	0.05	97.9	0.00	0.000

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A\*: Sample not tested; too long in transit



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4-Oct-17	793 San Malo	0	0	0	0	15	6.60	0.71	60.0	0.06	127.7	0.01	0.054
10-Oct-17	Behind 1090 Plummer	0	0	0	0	14.5	6.70	0.83	52.1	0.05	110.6		
18-Oct-17	962 Ballenas	0	0	0	0	14	7.05	0.50	57.7	0.60	122.2		
24-Oct-17	995 Sabine	0	0	0	0	14	6.54	0.76	54.6	0.05	115.5		
	<b>Average</b>	0	0	0	0	14.4	6.7	0.70	56.1	0.19	119.0	0.01	0.054
	<b>Maximum</b>	0	0	0	0	15	7.05	0.83	60.0	0.60	127.7	0.01	0.054
	<b>Minimum</b>	0	0	0	0	14	6.54	0.50	52.1	0.05	110.6	0.01	0.054

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6-Sep-17	793 San Malo	0	0	0	0	17	6.73	0.72	58.9	0.06	125.0	0.03	0.015
13-Sep-17	Behind 1190 Plummer	0	0	0	0	15	6.59	0.77	47.7	0.05	100.8		
20-Sep-17	962 Ballenas	0	0	0	0	15	6.59	0.45	50.5	0.05	106.7		
27-Sep-17	995 Sabine	0	0	0	0	17	7.04	0.62	49.4	0.05	104.7		
	<b>Average</b>	0	0	0	0	16.0	6.7	0.64	51.6	0.05	109.3	0.03	0.015
	<b>Maximum</b>	0	0	0	0	17	7.04	0.77	58.9	0.06	125.0	0.03	0.015
	<b>Minimum</b>	0	0	0	0	15	6.59	0.446	47.7	0.05	100.8	0.03	0.015

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2-Aug-17	793 San Malo	0	0	0	0	17	6.30	0.74	46.1	0.04	97.8	0.08	0.065
9-Aug-17	1190 Plummer	0	0	0	0	13	6.55	0.83	46.7	0.05	99.1		
15-Aug-17	962 Ballenas	0	0	0	0	17	6.44	0.65	50.5	0.05	107.0		
23-Aug-17	995 Sabine	0	0	0	0	16	6.31	0.76	46.8	0.05	99.3		
28-Aug-17	962 Ballenas			0	0	17	6.34	0.59	48.9	0.05	103.7		
	<b>Average</b>	0	0	0	0	16.0	6.4	0.71	47.8	0.05	101.4	0.08	0.065
	<b>Maximum</b>	0	0	0	0	17	6.55	0.83	50.5	0.05	107.0	0.08	0.065
	<b>Minimum</b>	0	0	0	0	13	6.3	0.59	46.1	0.04	97.8	0.08	0.065

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5-Jul-17	793 San Malo	0	0	0	0	13	6.33	0.70	34.2	0.03	72.5	0.02	0.002
12-Jul-17	Behind 1190 Plummer	0	0	0	0	11	6.34	0.76	38.6	0.04	82.0		
19-Jul-17	962 Ballenas	0	0	0	0	14	6.34	0.71	42.9	0.04	91.0		
26-Jul-17	995 Sabine	0	0	0	0	14	6.27	0.82	44.1	0.04	93.1		
	<b>Average</b>	0	0	0	0	13.0	6.3	0.75	40.0	0.04	84.7	0.02	0.002
	<b>Maximum</b>	0	0	0	0	14	6.34	0.82	44.1	0.04	93.1	0.02	0.002
	<b>Minimum</b>	0	0	0	0	11	6.27	0.70	34.2	0.03	72.5	0.02	0.002

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5-Jun-17	793 San Malo	0	0			13	6.33	0.78	32.5	0.03	70.1	0.02	0.002
14-Jun-17	Behind 1090 Plummer	0	0			9	6.33	0.84	31.5	0.03	66.9		
21-Jun-17	962 Ballenas	0	0			13	6.42	0.61	33.5	0.03	71.3		
28-Jul-17	995 Sabine	0	0			15	6.68	0.80	40.3	0.04	85.2		
	<b>Average</b>	0	0	#DIV/0!	#DIV/0!	12.5	6.4	0.76	34.5	0.0	73.4	0.02	0.002
	<b>Maximum</b>	0	0	0	0	15	6.68	0.84	40.3	0.04	85.2	0.02	0.002
	<b>Minimum</b>	0	0	0	0	9	6.33	0.61	31.5	0.03	66.9	0.02	0.002

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3-May-17	Behind 1190 Plummer	0	0			8	6.27	0.83	32.0	0.03	68.6		
10-May-17	793 San Malo	0	0	0	0	10	6.43	0.79	31.6	0.03	66.7	0.02	0.003
17-May-17	962 Ballenas	0	0	0	0	10	6.45	0.49	32.7	0.03	69.4		
24-May-17	995 Sabine	0	0			10	6.45	0.93	29.6	0.03	62.7		
	<b>Average</b>	0	0	0	0	9.5	6.4	0.76	31.5	0.03	66.9	0.02	0.003
	<b>Maximum</b>	0	0	0	0	10	6.45	0.93	32.7	0.03	69.4	0.02	0.003
	<b>Minimum</b>	0	0	0	0	8	6.27	0.49	29.6	0.03	62.7	0.02	0.003

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5-Apr-17	793 San Malo	0	0			8	6.44	0.64	33.6	0.03	71.6	0.02	0.000
12-Apr-17	Behind 1190 Plummer	0	0			8	6.64	0.59	30.8	0.03	65.5		
19-Apr-17	962 Ballenas	0	0			9	6.57	0.43	37.1	0.04	78.8		
26-Apr-17	995 Sabine	0	0			9	6.60	0.69	32.4	0.03	68.9		
	<b>Average</b>	0	0	#DIV/0!	#DIV/0!	8.5	6.6	0.59	33.5	0.03	71.2	0.02	0.000
	<b>Maximum</b>	0	0	0	0	9	6.64	0.69	37.1	0.04	78.8	0.02	0.000
	<b>Minimum</b>	0	0	0	0	8	6.44	0.43	30.8	0.03	65.5	0.02	0.000

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8-Mar-17	793 San Malo	0	0	0	0	7	6.36	0.72	42.6	0.04	89.8	0.01	0.000
21-Mar-17	Behind 1090 Plummer	0	0	0	0	6.5	6.52	0.79	35.9	0.03	76.4		
22-Mar-17	962 Ballenas	0	0	0	0	8	6.70	0.50	39.9	0.04	85.0		
29-Mar-17	995 Sabine	0	0	0	0	8	6.60	0.70	33.5	0.03	71.5		
	<b>Average</b>	0	0	0	0	7.4	6.5	0.68	38.0	0.04	80.7	0.01	0.000
	<b>Maximum</b>	0	0	0	0	8	6.7	0.79	42.6	0.04	89.8	0.01	0.000
	<b>Minimum</b>	0	0	0	0	6.5	6.36	0.50	33.5	0.03	71.5	0.01	0.000

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8-Feb-17	793 San Malo	0	0	0	0	5	6.64	0.80	40.1	0.04	83.9	0.02	0.005
14-Feb-17	Behind 1090 Plummer	0	0	0	0	8	6.55	0.84	37.9	0.04	80.5		
21-Feb-17	962 Ballenas	0	0	0	0	7	6.60	0.46	43.1	0.04	91.5		
28-Feb-17	995 Sabine	0	0	0	0	7	6.60	0.59	41.4	0.04	87.2		
	<b>Average</b>	0	0	0	0	6.8	6.6	0.67	40.6	0.0	85.8	0.02	0.005
	<b>Maximum</b>	0	0	0	0	8	6.64	0.84	43.1	0.04	91.5	0.02	0.005
	<b>Minimum</b>	0	0	0	0	5	6.55	0.46	37.9	0.04	80.5	0.02	0.005

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3-Jan-17	793 San Malo	0	0	0	0	7	6.58	0.70	47.7	0.05	101.8	0.03	0.074
18-Jan-17	Behind 1090 Plummer	0	0	0	0		6.46	0.94	46.2	0.05	98.0		
25-Jan-17	962 Ballenas	0	0	0	0	5	6.66	0.55	46.5	0.05	99.0		
31-Jan-17	995 Sabine	0	0	0	0	7	6.67	0.84	42.6	0.04	89.2		
	<b>Average</b>	0	0	0	0	6.3	6.6	0.76	45.8	0.05	97.0	0.03	0.074
	<b>Maximum</b>	0	0	0	0	7	6.67	0.94	47.7	0.05	101.8	0.03	0.074
	<b>Minimum</b>	0	0	0	0	5	6.46	0.55	42.6	0.04	89.2	0.03	0.074

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