



# Regional District of Nanaimo - Water Services Department

## San Pareil Water Analysis - 2016 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)
7-Dec-16	793 San Malo	0	0	0	0	7	6.54	0.43	42.7	0.04	90.1	0.05	0.000
7-Dec-16	Behind 1090 Plummer	0	0	0	0	8	6.40	0.54	43.0	0.04	91.2		
13-Dec-16	962 Ballenas	0	0	0	0	7	6.55	0.11	52.8	0.05	111.7		
13-Dec-16	995 Sabine	0	0	0	0	7	6.41	0.52	46.9	0.05	99.8		
	<b>Average</b>	0	0	0	0	7.3	6.5	0.40	46.4	0.0	98.2	0.05	0.000
	<b>Maximum</b>	0	0	0	0	8	6.55	0.54	52.8	0.05	111.7	0.05	0.000
	<b>Minimum</b>	0	0	0	0	7	6.4	0.11	42.7	0.04	90.1	0.05	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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1-Nov-16	793 San Malo	0	0	0	0	13	6.47	0.60	41.0	0.04	87.0	0.06	0.004
8-Nov-16	1190 Plummer	0	0	0	0	13	6.38	0.58	38.4	0.04	81.6		
14-Nov-16	962 Ballenas	0	0	0	0	13	6.57	0.29	42.9	0.04	91.0		
23-Nov-16	995 Sabine	0	0	0	0	9	6.37	0.59	39.7	0.04	84.6		
28-Nov-16	962 Ballenas			0	0	10	6.52	0.63	42.9	0.04	90.7		
	<b>Average</b>	0	0	0	0	11.6	6.5	0.54	41.0	0.0	87.0	0.06	0.004
	<b>Maximum</b>	0	0	0	0	13	6.57	0.63	42.9	0.04	91	0.06	0.004
	<b>Minimum</b>	0	0	0	0	9	6.37	0.29	38.4	0.04	81.6	0.06	0.004

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4-Oct-16	793 San Malo	0	0	0	0	12	6.46	0.74	54.2	0.05	114.4	0.03	0.000
12-Oct-16	Behind 1190 Plummer	0	0	0	0	11	6.45	0.76	30.3	0.03	64.9		
19-Oct-16	962 Ballenas	0	0	0	0	11	6.65	0.31	52.2	0.05	110.9		
25-Oct-16	995 Sabine	0	0	0	0	11	6.46	0.59	43.5	0.04	91.7		
	<b>Average</b>	0	0	0	0	11.3	6.5	0.60	45.1	0.0	95.5	0.03	0.000
	<b>Maximum</b>	0	0	0	0	12	6.65	0.76	54.2	0.05	114.4	0.03	0.000
	<b>Minimum</b>	0	0	0	0	11	6.45	0.31	30.3	0.03	64.9	0.03	0.000

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6-Sep-16	793 San Malo	0	0	0	0	16	6.77	0.78	49.7	0.05	105.6	0.02	0.000
13-Sep-16	Behind 1190 Plummer	0	0	0	0	16	6.67	0.84	50.4	0.05	106.8		
20-Sep-16	962 Ballenas	0	0	0	0	15.5	6.56	0.47	55.0	0.05	116.4		
28-Sep-16	995 Sabine	0	0	0	0	13	6.43	0.84	52.7	0.05	111.5		
	<b>Average</b>	0	0	0	0	15.1	6.6	0.73	52.0	0.1	110.1	0.02	0.000
	<b>Maximum</b>	0	0	0	0	16	6.77	0.84	55	0.05	116.4	0.02	0.000
	<b>Minimum</b>	0	0	0	0	13	6.43	0.47	49.7	0.05	105.6	0.02	0.000

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2-Aug-16	793 San Malo	0	0	0	0	16	6.50	0.78	55.1	0.05	116.9	0.02	0.005
9-Aug-16	Behind 1190 Plummer	0	0	0	0	15	6.69	0.77	52.7	0.05	118.8		
16-Aug-16	962 Ballenas	0	0	0	0	17	6.44	0.65	54.7	0.05	115.8		
23-Aug-16	995 Sabine	0	0	0	0	16	6.39	0.85	52.1	0.05	110.4		
29-Aug-16	962 Ballenas	0	0	0	0	17	6.71	0.62	53.4	0.05	113.3		
	<b>Average</b>	0	0	0	0	16.2	6.5	0.73	53.6	0.1	115.0	0.02	0.005
	<b>Maximum</b>	0	0	0	0	17	6.71	0.85	55.1	0.05	118.8	0.02	0.005
	<b>Minimum</b>	0	0	0	0	15	6.39	0.62	52.1	0.05	110.4	0.02	0.005

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5-Jul-16	793 San Malo	0	0	0	0	14	6.52	0.69	47.6	0.05	100.9	0.02	0.011
12-Jul-16	Behind 1190 Plummer	0	0	0	0	13	6.50	0.81	49.6	0.05	105.3		
18-Jul-16	962 Ballenas	0	0	0	0		6.30	0.59	53.2	0.05	112.7		
26-Jul-16	995 Sabine	0	0	0	0	16	6.51	0.78	53.6	0.05	113.6		
	<b>Average</b>	0	0	0	0	14.3	6.5	0.72	51.0	0.1	108.1	0.02	0.011
	<b>Maximum</b>	0	0	0	0	16	6.52	0.81	53.6	0.05	113.6	0.02	0.011
	<b>Minimum</b>	0	0	0	0	13	6.3	0.59	47.6	0.05	100.9	0.02	0.011

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7-Jun-16	793 San Malo	0	0	0	0	13	6.70	0.69	40.3	0.04	85.6	0.03	0.000
14-Jun-16	Behind 1190 Plummer	0	0	0	0	11	6.49	0.83	41.0	0.04	87.1		
21-Jun-16	962 Ballenas	0	0	0	0	13	6.77	0.56	45.8	0.04	97.2		
27-Jun-16	995 Sabine	0	0	0	0	14	6.55	0.72	46.1	0.05	97.7		
	<b>Average</b>	0	0	0	0	12.8	6.6	0.70	43.3	0.0	91.9	0.03	0.000
	<b>Maximum</b>	0	0	0	0	14	6.77	0.83	46.1	0.05	97.7	0.03	0.000
	<b>Minimum</b>	0	0	0	0	11	6.49	0.56	40.3	0.04	85.6	0.03	0.000

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4-May-16	Behind 1190 Plummer	0	0	0	0	11	6.94	0.64	35.1	0.03	74.5		
10-May-16	793 San Malo	0	0	0	0	11	6.40	0.66	35.2	0.03	74.8	0.02	0.002
17-May-16	962 Ballenas	0	0	0	0	12	6.51	0.63	38.2	0.04	83.5		
25-May-16	995 Sabine	0	0	0	0	12	6.53	0.87	37.1	0.04	78.6		
31-May-18	Behind 1190 Plummer			0	0	16	6.90	0.31	77.5	0.08	163.4		
	<b>Average</b>	0	0	0	0	12.4	6.7	0.62	44.6	0.0	95.0	0.02	0.002
	<b>Maximum</b>	0	0	0	0	16	6.94	0.87	77.5	0.08	163.4	0.02	0.002
	<b>Minimum</b>	0	0	0	0	11	6.4	0.31	35.1	0.03	74.5	0.02	0.002

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4-Apr-16	793 San Malo	0	0	0	0	9	6.45	0.92	44.1	0.04	93.5	0.04	0.024
12-Apr-16	Behind 1190 Plummer	0	0	0	0	8	6.52	0.81	38.3	0.04	80.6		
19-Apr-16	962 Ballenas	0	0	0	0	10	6.67	0.58	41.1	0.04	87.3		
25-Apr-16	995 Sabine	0	0	0	0		6.66	0.80	34.8	0.03	73.9		
	<b>Average</b>	0	0	0	0	9.0	6.6	0.78	39.6	0.0	83.8	0.04	0.024
	<b>Maximum</b>	0	0	0	0	10	6.67	0.92	44.1	0.04	93.5	0.04	0.024
	<b>Minimum</b>	0	0	0	0	8	6.45	0.58	34.8	0.03	73.9	0.04	0.024

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1-Mar-16	793 San Malo	0	0	0	0	8	6.51	0.60	39.9	0.04	84.8	0.00	0.009
8-Mar-16	Behind 1190 Plummer	0	0	0	0	8	6.54	0.80	33.4	0.03	71.1		
15-Mar-16	962 Ballenas	0	0	0	0	8	6.63	0.32	41.0	0.04	87.2		
23-Mar-16	995 Sabine	0	0	0	0	9	6.48	0.70	50.3	0.05	106.7		
30-Mar-16	962 Ballenas	0	0	0	0	9	6.65	0.61	51.7	0.05	109.2		
	<b>Average</b>	0	0	0	0	8.4	6.6	0.61	43.3	0.0	91.8	0.00	0.009
	<b>Maximum</b>	0	0	0	0	9	6.65	0.8	51.7	0.05	109.2	0.00	0.009
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2-Feb-16	793 San Malo	0	0	0	0	8	6.50	0.57	38.1	0.04	81.4	0.02	0.010
9-Feb-16	Behind 1190 Plummer	0	0	0	0	9	6.51	0.81	40.7	0.04	86.2		
16-Feb-16	962 Ballenas	0	0	0	0	7	6.67	0.44	47.9	0.05	103.2		
23-Feb-16	995 Sabine	0	0	0	0	8	6.67	0.68	36.9	0.04	78.4		
	<b>Average</b>	0	0	0	0	8.0	6.6	0.63	40.9	0.0	87.3	0.02	0.01
	<b>Maximum</b>	0	0	0	0	9	6.67	0.81	47.9	0.05	103.2	0.02	0.01
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4-Jan-16	793 San Malo	0	0	0	0	9	6.65	0.72	43.5	0.04	92.4	0.00	0.015
12-Jan-16	Behind 1190 Plummer	0	0	0	0	9	6.62	0.83	43.1	0.04	91.3		
20-Jan-16	962 Ballenas	0	0	0	0	8	6.59	0.46	47.3	0.05	100.1		
26-Jan-16	995 Sabine	0	0	0	0	8	6.52	0.75	37.5	0.04	79.9		
	<b>Average</b>	0	0	0	0	8.5	6.6	0.69	42.9	0.0	90.9	0.00	0.015
	<b>Maximum</b>	0	0	0	0	9	6.65	0.83	47.3	0.05	100.1	0.00	0.015
	<b>Minimum</b>	0	0	0	0	8	6.52	0.46	37.5	0.04	79.9	0.00	0.015

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