



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2013 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)
3-Dec-13	793 San Malo	0	0	0	0	8	6.50	0.90	40.6	0.04	86.2	0.05	0.000
10-Dec-13	Behind 1190 Plummer	0	0	0	0	11	6.55	0.78	39.8	0.04	84.3		
16-Dec-13	962 Ballenas	0	0	0	0	8	7.21	0.43	41.4	0.04	87.9		
16-Dec-13	995 Sabine	0	0	0	0	9	7.20	0.67	42.1	0.04	89.4		
30-Dec-13	793 San Malo			0	0	8	7.07	0.68	43.1	0.04	91.5		
	Average	0	0	0	0	8.8	6.9	0.69	41.4	0.0	87.9	0.05	0.000
	Maximum	0	0	0	0	11	7.21	0.9	43.1	0.04	91.5	0.05	0.000
	Minimum	0	0	0	0	8	6.5	0.43	39.8	0.04	84.3	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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6-Nov-13	793 San Malo	0	0	0	0	11	6.66	0.51	47.0	0.05	99.8		
13-Nov-13	Behind 1190 Plummer	0	0	0	0	11	6.76	0.55	45.4	0.04	96.4	0.06	0.005
20-Nov-13	962 Ballenas	0	0	0	0	10	6.78	0.31	47.6	0.05	100.9		
27-Nov-13	995 Sabine	0	0	0	0	9	6.64	0.56	40.3	0.04	85.6		
	Average	0	0	0	0	10.3	6.7	0.48	45.1	0.0	95.7	0.06	0.005
	Maximum	0	0	0	0	11	6.78	0.56	47.6	0.05	100.9	0.06	0.005
	Minimum	0	0	0	0	9	6.64	0.31	40.3	0.04	85.6	0.06	0.005

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2-Oct-13	793 San Malo	0	0	0	0	14	6.49	0.63	51.1	0.05	108.3	0.02	0.005
9-Oct-13	1190 Plummer	0	0	0	0	14	7.30	0.47	45.9	0.01	99.6		
15-Oct-13	962 Ballenas	0	0	0	0	13	6.65	0.33	48.8	0.05	103.3		
22-Oct-13	995 Sabine	0	0	0	0	12	7.18	1.28	43.7	0.04	92.7		
28-Oct-13	962 Ballenas			0	0	13	7.26	0.55	49.5	0.05	104.7		
	Average	0	0	0	0	13.2	7.0	0.65	47.8	0.0	101.7	0.02	0.005
	Maximum	0	0	0	0	14	7.3	1.28	51.1	0.05	108.3	0.02	0.005
	Minimum	0	0	0	0	12	6.49	0.33	43.7	0.005	92.7	0.02	0.005

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4-Sep-13	793 San Malo	0	0	0	0	15	6.61	0.44	47.6	0.05	100.8	0.02	0.014
9-Sep-13	Behind 1190 Plummer	0	0	0	0	14	6.62	0.44	48.3	0.05	102.3		
16-Sep-13	962 Ballenas	0	0	0	0	16	6.65	0.41	54.3	0.05	114.8		
24-Sep-13	995 Sabine	0	0	0	0	15	6.96	0.51	52.8	0.05	111.7		
	Average	0	0	0	0	15.0	6.7	0.45	50.8	0.1	107.4	0.02	0.014
	Maximum	0	0	0	0	16	6.96	0.51	54.3	0.05	114.8	0.02	0.014
	Minimum	0	0	0	0	14	6.61	0.41	47.6	0.05	100.8	0.02	0.014

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6-Aug-13	793 San Malo	0	0	0	0	17	6.92	0.56	45.8	0.04	97.1	0.03	0.008
12-Aug-13	1190 Plummer Rd	0	0	0	0	12	6.79	0.56	45.5	0.04	97.1		
21-Aug-13	962 Ballenas Rd	0	0	0	0	15	6.85	0.40	49.0	0.05	103.9		
28-Aug-13	995 Sabine	0	0	0	0	15	7.12	0.59	46.4	0.05	98.4		
	Average	0	0	0	0	14.8	6.9	0.53	46.7	0.0	99.1	0.03	0.008
	Maximum	0	0	0	0	17	7.12	0.59	49	0.05	103.9	0.03	0.008
	Minimum	0	0	0	0	12	6.79	0.4	45.5	0.04	97.1	0.03	0.008

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2-Jul-13	793 San Malo	0	0	0	0	16	6.88	0.72	36.1	0.03	76.8	0.02	0.019
8-Jul-13	Behind 1190 Plummer	0	0	0	0	10	6.52	0.65	36.4	0.04	77.5		
17-Jul-13	962 Ballenas	0	0	0	0	14	6.43	0.48	45.3	0.04	95.1		
22-Jul-13	995 Sabine	0	0	0	0	13	6.48	0.56	42.7	0.04	90.5		
	Average	0	0	0	0	13.3	6.6	0.60	40.1	0.0	85.0	0.02	0.019
	Maximum	0	0	0	0	16	6.88	0.72	45.3	0.04	95.1	0.02	0.019
	Minimum	0	0	0	0	10	6.43	0.48	36.1	0.03	76.8	0.02	0.019

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3-Jun-13	793 San Malo	0	0	0	0	13	7.02	0.57	31.1	0.03	66.1	0.03	0.010
10-Jun-13	Behind 1190 Plummer	0	0	0	0	12	6.68	0.51	32.1	0.03	68.4		
19-Jun-13	962 Ballenas	0	0	0	0	12	6.90	0.51	36.8	0.04	78.1		
25-Jun-13	995 Sabine	0	0	0	0	15	6.75	0.64	34.6	0.03	73.6		
	Average	0	0	0	0	13.0	6.8	0.56	33.7	0.0	71.6	0.03	0.01
	Maximum	0	0	0	0	15	7.02	0.64	36.8	0.04	78.1	0.03	0.01
	Minimum	0	0	0	0	12	6.68	0.51	31.1	0.03	66.1	0.03	0.01

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8-May-13	793 San Malo	0	0			10	6.82	0.68	31.1	0.03	66.3	0.02	0.022
14-May-13	Behind 1190 Plummer	0	0			8	6.86	0.75	29.5	0.03	63.0		
22-May-13	962 Ballenas	0	0				6.89	0.49	33.2	0.03	70.5		
28-May-13	995 Sabine	0	0	0	0	12	7.23	0.62	30.4	0.03	64.2		
	Average	0	0	0	0	10.0	7.0	0.64	31.1	0.0	66.0	0.02	0.022
	Maximum	0	0	0	0	12	7.23	0.75	33.2	0.03	70.5	0.02	0.022
	Minimum	0	0	0	0	8	6.82	0.49	29.5	0.03	63	0.02	0.022

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3-Apr-13	793 San Malo	0	0	0	0	9	6.84	0.48	33.4	0.03	71.1	0.03	0.024
9-Apr-13	Behind 1190 Plummer	0	0	0	0	7	6.93	0.72	31.1	0.03	66.2		
17-Apr-13	962 Ballenas	0	0	0	0	10	6.82	0.30	36.9	0.04	78.5		
22-Apr-13	995 Sabine	0	0	0	0	10	7.21	0.65	28.9	0.03	62.6		
				0	0								
	Average	0	0	0	0	9.0	7.0	0.54	32.6	0.0	69.6	0.03	0.024
	Maximum	0	0	0	0	10	7.21	0.72	36.9	0.04	78.5	0.03	0.024
	Minimum	0	0	0	0	7	6.82	0.3	28.9	0.03	62.6	0.03	0.024

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6-Mar-13	793 San Malo	0	0	0	0	7	6.73	0.62	33.4	0.03	70.9	0.03	0.008
13-Mar-13	Behind 1190 Plummer	0	0	0	0	7	6.63	0.72	35.4	0.03	75.2		
18-Mar-13	962 Ballenas	0	0	0	0	7	7.35	0.23	39.9	0.04	84.6		
25-Mar-13	995 Sabine	0	0	0	0	8	6.95	0.70	33.5	0.03	71.4		
	Average	0	0	0	0	7.3	6.9	0.57	35.6	0.0	75.5	0.03	0.008
	Maximum	0	0	0	0	8	7.35	0.72	39.9	0.04	84.6	0.03	0.008
	Minimum	0	0	0	0	7	6.63	0.23	33.4	0.03	70.9	0.03	0.008

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6-Feb-13	793 San Malo	0	0	0	0	7	6.69	0.64	38.3	0.04	81.7	0.02	0.000
12-Feb-13	Behind 1190 Plummer	0	0	0	0	7	6.79	0.76	36.7	0.04	78.1		
20-Feb-13	962 Ballenas	0	0	0	0	9	6.80	0.29	43.9	0.04	93.0		
25-Feb-13	995 Sabine	0	0	0	0	7	6.96	0.69	35.3	0.03	75.0		
	Average	0	0	0	0	7.5	6.8	0.60	38.6	0.0	82.0	0.02	0
	Maximum	0	0	0	0	9	6.96	0.76	43.9	0.04	93	0.02	0
	Minimum	0	0	0	0	7	6.69	0.29	35.3	0.03	75	0.02	0

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9-Jan-13	Behind 1090 Plummer	0	0	0	0	9	6.72	0.76	39.1	0.04	83.0		
16-Jan-13	793 San Malo	0	0	0	0	6	6.58	0.70	39.9	0.04	84.7	0.03	0.009
21-Jan-13	962 Ballenas	0	0	0	0	8	6.96	0.33	48.9	0.05	103.8		
28-Jan-13	995 Sabine	0	0	0	0	8	6.61	0.87	40.2	0.04	85.4		
	Average	0	0	0	0	7.8	6.7	0.67	42.0	0.0	89.2	0.03	0.009
	Maximum	0	0	0	0	9	6.96	0.87	48.9	0.05	103.8	0.03	0.009
	Minimum	0	0	0	0	6	6.58	0.33	39.1	0.04	83	0.03	0.009

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