



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2015 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)
1-Dec-15	793 San Malo	0	0	0	0	9	6.65	0.52	39.4	0.04	83.4	0.03	0.002
8-Dec-15	Behind 1190 Plummer	0	0	0	0	10	6.58	0.73	35.9	0.04	76.7		
15-Dec-15	962 Ballenas	0	0	0	0	9	6.70	0.26	42.7	0.04	90.7		
15-Dec-15	995 Sabine	0	0	0	0	9	6.62	0.49	37.7	0.04	80.0		
	Average	0	0	0	0	9.3	6.6	0.50	38.9	0.0	82.7	0.03	0.002
	Maximum	0	0	0	0	10	6.7	0.73	42.7	0.04	90.7	0.03	0.002
	Minimum	0	0	0	0	9	6.58	0.26	35.9	0.04	76.7	0.03	0.002

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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2-Nov-15	793 San Malo	0	0	0	0	12	6.57	0.81	51.0	0.05	108.1		
9-Nov-15	Behind 1190 Plummer	0	0	0	0	14	6.60	0.76	47.6	0.05	101.0		
17-Nov-15	962 Ballenas	0	0	0	0	12	6.72	0.33	48.0	0.05	102.0	0.04	0.023
24-Nov-15	995 Sabine	0	0	0	0	11	6.65	0.50	40.4	0.04	86.3		
	Average	0	0	0	0	12.3	6.6	0.60	46.8	0.0	99.4	0.04	0.023
	Maximum	0	0	0	0	14	6.72	0.81	51	0.05	108.1	0.04	0.023
	Minimum	0	0	0	0	11	6.57	0.33	40.4	0.04	86.3	0.04	0.023

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6-Oct-15	793 San Malo	0	0	0	0	14	6.69	0.61	53.1	0.05	112.6		
13-Oct-15	Behind 1190 Plummer	0	0	0	0	14	6.65	0.80	52.6	0.05	111.6		
19-Oct-15	962 Ballenas	0	0	0	0	14	6.75	0.40	56.9	0.06	120.6		
27-Oct-15	995 Sabine	0	0	0	0	14	6.63	0.68	52.8	0.05	107.9		
	Average	0	0	0	0	14.0	6.7	0.62	53.9	0.1	113.2	-	-
	Maximum	0	0	0	0	14	6.75	0.8	56.9	0.06	120.6	0	0
	Minimum	0	0	0	0	14	6.63	0.4	52.6	0.05	107.9	0	0

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1-Sep-15	793 San Malo	0	0	0	0	18	6.58	0.52	59.4	0.06	125.5	0.03	0.025
8-Sep-15	Behind 1190 Plummer	0	0	0	0	18	6.54	0.63	58.3	0.06	123.2		
15-Sep-15	962 Ballenas	0	0	0	0	16	6.62	0.44	59.5	0.06	125.9		
21-Sep-15	995 Sabine	0	0	0	0	16	6.57	0.73	59.6	0.06	127.0		
	Average	0	0	0	0	17.0	6.6	0.58	59.2	0.1	125.4	0.03	0.025
	Maximum	0	0	0	0	18	6.62	0.73	59.6	0.06	127	0.03	0.025
	Minimum	0	0	0	0	16	6.54	0.44	58.3	0.06	123.2	0.03	0.025

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4-Aug-15	793 San Malo	0	0	0	0	17	6.59	0.74	60.9	0.06	130.3	0.02	0.007
11-Aug-15	Behind 1190 Plummer	0	0	0	0	17	6.96	0.71	59.2	0.06	125.3		
18-Aug-15	962 Ballenas	0	0	0	0	17	6.55	0.23	63.8	0.06	134.9		
25-Aug-15	995 Sabine	0	0	0	0	18	6.53	0.69	59.9	0.06	126.7		
	Average	0	0	0	0	17.3	6.7	0.59	61.0	0.1	129.3	0.02	0.007
	Maximum	0	0	0	0	18	6.96	0.74	63.8	0.06	134.9	0.02	0.007
	Minimum	0	0	0	0	17	6.53	0.23	59.2	0.06	125.3	0.02	0.007

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7-Jul-15	793 San Malo	0	0	0	0	16	7.00	0.59	54.8	0.05	115.9	0.06	0.006
14-Jul-15	Behind 1190 Plummer	0	0	0	0	14	6.62	0.54	57.2	0.06	123.4		
21-Jul-15	962 Ballenas	0	0	0	0	16	6.63	0.36	59.3	0.06	125.6		
27-Jul-15	995 Sabine	0	0	0	0	17	6.61	0.52	56.2	0.06	119.0		
Average		0	0	0	0	15.8	6.7	0.50	56.9	0.06	121.0	0.06	0.006
Maximum		0	0	0	0	17	7	0.59	59.3	0.06	125.6	0.06	0.006
Minimum		0	0	0	0	14	6.61	0.36	54.8	0.05	115.9	0.06	0.006

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2-Jun-15	793 San Malo	0	0	0	0	15	6.55	0.51	46.4	0.05	98.0	0.02	0.024
9-Jun-15	Behind 1190 Plummer	0	0	0	0	12	6.43	0.83	50.1	0.05	106.1		
16-Jun-15	962 Ballenas	0	0	0	0	14	6.57	0.54	55.7	0.05	118.0		
23-Jun-15	995 Sabine	0	0	0	0	12	6.51	0.68	54.4	0.05	115.4		
	Average	0	0	0	0	13.3	6.5	0.64	51.7	0.05	109.4	0.02	0.024
	Maximum	0	0	0	0	15	6.57	0.83	55.7	0.05	118	0.02	0.024
	Minimum	0	0	0	0	12	6.43	0.51	46.4	0.05	98	0.02	0.024

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5-May-15	Behind 1190 Plummer	0	0	0	0	9	6.55	0.73	36.0	0.03	76.4	0.02	0.000
11-May-15	962 Ballenas	0	0	0	0	11	6.70	0.66	37.8	0.04	80.4		
19-May-15	793 San Malo	0	0	0	0	11	6.53	0.72	40.4	0.04	86.1		
26-May-15	995 Sabine	0	0	0	0	11	6.52	0.58	43.3	0.04	91.6		
	Average	0	0	0	0	10.5	6.6	0.67	39.4	0.04	83.6	0.02	0.000
	Maximum	0	0	0	0	11	6.7	0.73	43.3	0.04	91.6	0.02	0.000
	Minimum	0	0	0	0	9	6.52	0.58	36	0.03	76.4	0.02	0.000

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7-Apr-15	793 San Malo	0	0	0	0	12	6.78	0.65	34.6	0.03	73.9	0.05	0.015
14-Apr-15	Behind 1190 Plummer	0	0	0	0	9	6.61	0.79	33.9	0.03	72.4		
21-Apr-15	962 Ballenas	0	0	0	0	9	6.53	0.61	36.5	0.04	77.6		
28-Apr-15	995 Sabine	0	0	0	0	9	6.52	0.79	35.7	0.03	75.9		
	Average	0	0	0	0	9.8	6.6	0.71	35.2	0.03	75.0	0.05	0.015
	Maximum	0	0	0	0	12	6.78	0.79	36.5	0.04	77.6	0.05	0.015
	Minimum	0	0	0	0	9	6.52	0.61	33.9	0.03	72.4	0.05	0.015

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4-Mar-15	793 San Malo	0	0	0	0	8	6.91	0.78	45.3	0.04	94.5	0.04	0.025
9-Mar-15	Behind 1190 Plummer	0	0	0	0	9	6.63	0.78	43.4	0.04	91.8		
16-Mar-15	962 Ballenas	0	0	0	0	10	7.12	0.49	46.0	0.05	97.5		
24-Mar-15	995 Sabine	T	T	0	0	8	7.25	0.60	35.2	0.03	75.1		
	Average	0	0	0	0	8.8	7.0	0.66	42.5	0.04	89.7	0.04	0.025
	Maximum	0	0	0	0	10	7.25	0.78	46	0.05	97.5	0.04	0.025
	Minimum	0	0	0	0	8	6.63	0.49	35.2	0.03	75.1	0.04	0.025

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T=Sample not tested. Too long in transit.

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3-Feb-15	793 San Malo	0	0	0	0	8	6.55	0.57	39.2	0.04	83.2	0.02	0.007
10-Feb-15	Behind 1190 Plummer	0	0	0	0	9	6.62	0.61	36.5	0.04	77.5		
16-Feb-15	962 Ballenas	0	0	0	0	9	6.52	0.26	44.2	0.04	93.8		
24-Feb-15	995 Sabine	0	0	0	0	8	6.62	0.75	43.5	0.04	92.6		
	Average	0	0	0	0	8.5	6.6	0.55	40.9	0.04	86.8	0.02	0.007
	Maximum	0	0	0	0	9	6.62	0.75	44.2	0.04	93.8	0.02	0.007
	Minimum	0	0	0	0	8	6.52	0.26	36.5	0.04	77.5	0.02	0.007

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12-Jan-15	Behind 1190 Plummer	0	0	0	0	9	6.46	0.68	42.8	0.04	90.9		
21-Jan-15	962 Ballenas	0	0	0	0	8	6.95	0.42	43.8	0.04	93.0		
27-Jan-15	995 Sabine	0	0	0	0	8	6.80	0.65	37.1	0.04	78.5		
	Average	0	0	0	0	8.3	6.7	0.58	42.7	0.04	90.7	0.02	0.000
	Maximum	0	0	0	0	9	6.95	0.68	47.2	0.05	100.4	0.02	0.000
	Minimum	0	0	0	0	8	6.46	0.42	37.1	0.04	78.5	0.02	0.000

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