



Regional District of Nanaimo - Water Services Department

San Pareil Water Analysis - 2014 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-14	793 San Malo	0	0	0	0	10		0.74	38.2	0.04	81.0	0.01	0.009
9-Dec-14	Behind 1190 Plummer	0	0	0	0	11	6.54	0.82	40.2	0.04	85.4		
9-Dec-14	962 Ballenas	0	0	0	0	9	6.51	0.47	45.9	0.05	97.6		
15-Dec-14	995 Sabine	0	0	0	0	10	6.49	0.57	41.2	0.04	87.1		
	Average	0	0	0	0	10.0	6.5	0.65	41.4	0.0	87.8	0.01	0.009
	Maximum	0	0	0	0	11	6.54	0.82	45.9	0.05	97.6	0.01	0.009
	Minimum	0	0	0	0	9	6.49	0.47	38.2	0.04	81	0.01	0.009

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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3-Nov-14	Behind 1190 Plummer	T	T	0	0	12	6.59	0.72	49.5	0.05	105.3	0.04	0.019
18-Nov-14	793 San Malo	0	0	0	0	10	6.54	0.71	42.6	0.04	90.1		
18-Nov-14	962 Ballenas	0	0	0	0	11	6.54	0.46	46.1	0.05	97.9		
24-Nov-14	995 Sabine	0	0	0	0	11	6.71	0.71	39.9	0.04	84.6		
	Average	0	0	0	0	11.0	6.6	0.65	44.5	0.0	94.5	0.04	0.019
	Maximum	0	0	0	0	12	6.71	0.72	49.5	0.05	105.3	0.04	0.019
	Minimum	0	0	0	0	10	6.54	0.46	39.9	0.04	84.6	0.04	0.019

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T=Sample not tested. Too long in transit.

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1-Oct-14	793 San Malo			0	0	15	7.45	0.76	55.3	0.05	117.1		
7-Oct-14	Behind 1190 Plummer	0	0	0	0	14	6.60	0.82	56.3	0.06	119.1	0.02	0.000
15-Oct-14	962 Ballenas	0	0	0	0	14	6.68	0.67	60.1	0.06	127.2		
21-Oct-14	995 Sabine	0	0	0	0	14	6.81	0.64	55.7	0.05	118.1		
28-Oct-14	793 San Malo	0	0	0	0	13	6.47	0.72	47.7	0.05	101.2		
	Average	0	0	0	0	14.0	6.8	0.72	55.0	0.1	116.5	0.02	0.000
	Maximum	0	0	0	0	15	7.45	0.82	60.1	0.06	127.2	0.02	0.000
	Minimum	0	0	0	0	13	6.47	0.64	47.7	0.05	101.2	0.02	0.000

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3-Sep-14	793 San Malo	0	0	0	0	17	6.58	0.48	53.6	0.05	113.6	0.03	0.006
9-Sep-14	Behind 1190 Plummer	0	0	0	0	14	6.67	0.64	53.7	0.05	113.6		
16-Sep-14	962 Ballenas	0	0	0	0	14	6.69	0.46	57.7	0.06	122.1		
24-Sep-14	995 Sabine	0	0	0	0	17	6.76	0.81	54.1	0.05	114.5		
	Average	0	0	0	0	15.5	6.7	0.60	54.8	0.1	116.0	0.03	0.006
	Maximum	0	0	0	0	17	6.76	0.81	57.7	0.06	122.1	0.03	0.006
	Minimum	0	0	0	0	14	6.58	0.46	53.6	0.05	113.6	0.03	0.006

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6-Aug-14	Behind 1190 Plummer	0	0	0	0	15	6.95	0.68	50.7	0.05	107.3	0.15	0.015
11-Aug-14	962 Ballenas	0	0	0	0	16	6.63	0.48	55.2	0.05	116.8		
19-Aug-14	793 San Malo	0	0	0	0	16	6.87	0.67	52.2	0.05	110.7		
25-Aug-14	995 Sabine	0	0	0	0	16	7.21	0.73	52.1	0.05	111.0		
	Average	0	0	0	0	15.8	6.9	0.64	52.6	0.1	111.5	0.15	0.015
	Maximum	0	0	0	0	16	7.21	0.73	55.2	0.05	116.8	0.15	0.015
	Minimum	0	0	0	0	15	6.63	0.48	50.7	0.05	107.3	0.15	0.015

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2-Jul-14	793 San Malo Behind 1190 Plummer	0	0	0	0	15	6.39	0.65	45.8	0.04	97.2	0.04	0.022
7-Jul-14	962 Ballenas	0	0	0	0	11	6.34	0.53	48.1	0.05	101.3		
15-Jul-14	995 Sabine	0	0	0	0	14	6.40	0.47	50.9	0.05	108.0		
22-Jul-14	793 San Malo	0	0	0	0	16	6.53	0.57	49.8	0.05	105.4		
29-Jul-14	793 San Malo	0	0	0	0	14	6.64	0.78	50.5	0.05	107.5		
	Average	0	0	0	0	14.0	6.5	0.60	49.0	0.0	103.9	0.04	0.022
	Maximum	0	0	0	0	16	6.64	0.78	50.9	0.05	108	0.04	0.022
	Minimum	0	0	0	0	11	6.34	0.47	45.8	0.04	97.2	0.04	0.022

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4-Jun-14	793 San Malo	0	0	0	0	11	6.59	0.72	35.5	0.03	75.5	0.02	0.024
9-Jun-14	Behind 1190 Plummer	0	0	0	0	9	6.61	0.69	36.6	0.04	77.9		
16-Jun-14	962 Ballenas	0	0	0	0	11	6.96	0.57	41.4	0.04	88.0		
24-Jun-14	995 Sabine	0	0	0	0	12	6.67	0.67	42.9	0.04	91.0		
	Average	0	0	0	0	10.8	6.7	0.66	39.1	0.0	83.1	0.02	0.024
	Maximum	0	0	0	0	12	6.96	0.72	42.9	0.04	91	0.02	0.024
	Minimum	0	0	0	0	9	6.59	0.57	35.5	0.03	75.5	0.02	0.024

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6-May-14	Behind 1190 Plummer	0	0	0	0	7	6.57	0.69	32.1	0.03	68.2	0.01	0.000
13-May-14	793 San Malo	0	0	0	0	12	6.56	0.63	32.9	0.03	70.1		
20-May-14	962 Ballenas	0	0	0	0	12	7.15	0.50	34.9	0.03	74.3		
26-May-14	995 Sabine	0	0	0	0	11	6.70	0.68	33.0	0.03	70.2		
	Average	0	0	0	0	10.5	6.7	0.63	33.2	0.0	70.7	0.01	0
	Maximum	0	0	0	0	12	7.15	0.69	34.9	0.03	74.3	0.01	0
	Minimum	0	0	0	0	7	6.56	0.5	32.1	0.03	68.2	0.01	0

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1-Apr-14	793 San Malo	0	0	0	0	9	6.79	0.63	36.3	0.04	76.9	0.02	0.007
9-Apr-14	Behind 1190 Plummer	0	0			7		0.76					
14-Apr-14	962 Ballenas	0	0	0	0	9	6.60	0.43	39.6	0.04	84.1		
29-Apr-14	995 Sabine	0	0	0	0	9	6.55	0.58	32.8	0.03	69.9		
	Average	0	0	0	0	8.5	6.6	0.60	36.2	0.0	77.0	0.02	0.007
	Maximum	0	0	0	0	9	6.79	0.76	39.6	0.04	84.1	0.02	0.007
	Minimum	0	0	0	0	7	6.55	0.43	32.8	0.03	69.9	0.02	0.007

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4-Mar-14	793 San Malo	0	0	0	0	6	6.51	0.55	40.5	0.04	86.0	0.02	0.000
10-Mar-14	Behind 1190 Plummer Road	A	A	0	0	8	6.93	0.42	37.6	0.04	79.9		
18-Mar-14	962 Ballenas	0	0	0	0	6	6.59	0.38	41.0	0.04	87.0		
25-Mar-14	995 Sabine	0	0					1.00					
	Average	0	0	0	0	6.7	6.7	0.59	39.7	0.0	84.3	0.02	0
	Maximum	0	0	0	0	8	6.93	1	41	0.04	87	0.02	0
	Minimum	0	0	0	0	6	6.51	0.38	37.6	0.04	79.9	0.02	0

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A= Sample not tested. Too long in transit.

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3-Feb-14	793 San Malo	0	0	0	0	8	6.74	0.59	38.7	0.04	82.1	0.03	0.003
11-Feb-14	Behind 1190 Plummer	0	0	0	0	8	6.86	0.83	38.5	0.04	81.2		
18-Feb-14	962 Ballenas	0	0	0	0	8	6.59	0.50	40.7	0.04	86.7		
25-Feb-14	995 Sabine	0	0	0	0	6	6.66	0.80	40.1	0.04	85.2		
	Average	0	0	0	0	7.5	6.7	0.68	39.5	0.0	83.8	0.03	0.003
	Maximum	0	0	0	0	8	6.86	0.83	40.7	0.04	86.7	0.03	0.003
	Minimum	0	0	0	0	6	6.59	0.5	38.5	0.04	81.2	0.03	0.003

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6-Jan-14	793 San Malo	0	0	0	0	8	6.52	0.62	41.8	0.04	88.7	0.00	0.017
13-Jan-14	Behind 1190 Plummer	0	0	0	0	8	6.90	0.62	38.2	0.04	81.4		
21-Jan-14	962 Ballenas	0	0	0	0	8	6.72	0.40	44.4	0.04	94.5		
29-Jan-14	995 Sabine	0	0	0	0	8	7.21	0.70	37.8	0.04	80.6		
	Average	0	0	0	0	8.0	6.8	0.59	40.6	0.0	86.3	0.00	0.017
	Maximum	0	0	0	0	8	7.21	0.7	44.4	0.04	94.5	0	0.017
	Minimum	0	0	0	0	8	6.52	0.4	37.8	0.04	80.6	0	0.017

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