



Regional District of Nanaimo - Water Services Department

Surfside 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)
4-Dec-17	962 Surfside	0	0	0	0	8.5	6.47	0.22	82.9	0.08	174.5	0.04	0.000
12-Dec-17	923 McFeely	0	0	0	0	8	6.46	0.35	77.8	0.08	163.7		
	Average	0	0	0	0	8.3	6.5	0.29	80.4	0.08	169.1	0.04	0.000
	Maximum	0	0	0	0	8.5	6.47	0.35	82.9	0.08	174.5	0.04	0.000
	Minimum	0	0	0	0	8.0	6.46	0.22	77.8	0.08	163.7	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	923 McFeely	0	0	0	0	11	6.68	0.14	87.4	0.09	184.4	0.05	0.021
15-Nov-17	962 Surfside		A*	0	0	9.5	6.57	0.30	91.4	0.09	192.6		
21-Nov-17	1105 Surfside	0	0	0	0	9	6.57	0.25	95.2	0.09	199.7		
27-Nov-17	923 McFeely			0	0	10	7.70	0.15	178.0	0.18	373.0		
Average		0	0	0	0	9.9	6.9	0.21	113.0	0.11	237.4	0.05	0.021
Maximum		0	0	0	0	11	7.7	0.30	178	0.18	373	0.05	0.021
Minimum		0	0	0	0	9	6.57	0.14	87.4	0.09	184.4	0.05	0.021

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A*: Sample not tested; too long in transit



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3-Oct-17	962 Surfside	0	0	0	0	15	6.47	0.33	239.0	0.24	490.0	0.02	0.018
11-Oct-17	1105 Surfside	0	0	0	0	15	6.74	0.13	102.1	0.10	214.5		
16-Oct-17	923 McFeely	0	0	0	0	14	6.56	0.18	95.0	0.09	199.9		
24-Oct-17	962 Surfside			0	0	11.5	6.52	0.30	95.5	0.09	202.2		
Average		0	0	0	0	13.9	6.6	0.24	132.9	0.13	276.7	0.02	0.018
Maximum		0	0	0	0	15.0	6.74	0.33	239.0	0.24	490.0	0.02	0.018
Minimum		0	0	0	0	11.5	6.47	0.13	95.0	0.09	199.9	0.02	0.018

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6-Sep-17	923 McFeely	0	0	0	0	19	6.60	0.33	100.0	0.10	210.2	0.03	0.011
11-Sep-17	962 Surfside	0	0	0	0	16	6.63	0.40	104.8	0.10	220.0		
18-Sep-17	1105 Surfside	0	0	0	0	15.5	6.64	0.24	107.9	0.11	227.0		
25-Sep-17	923 McFeely			0	0	16	6.50	0.36	107.9	0.11	226.0		
	Average	0	0	0	0	16.6	6.6	0.33	105.2	0.11	220.8	0.03	0.011
	Maximum	0	0	0	0	19	6.64	0.40	107.9	0.11	227.0	0.03	0.011
	Minimum	0	0	0	0	15.5	6.5	0.24	100.0	0.10	210.2	0.03	0.011

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1-Aug-17	962 Surfside	0	0	0	0	16	6.46	0.43	86.2	0.09	181.3	0.03	0.003
8-Aug-17	1105 Surfside	0	0	0	0	17	6.49	0.42	92.9	0.09	195.7		
16-Aug-17	923 McFeely	0	0	0	0	18	6.50	0.55	93.7	0.09	196.9		
22-Aug-17	962 Surfside			0	0	18	6.39	0.45	100.0	0.10	209.8		
30-Aug-17	1105 Surfside					20	6.59	0.33	106.8	0.11	224.0		
	Average	0	0	0	0	17.8	6.5	0.44	95.9	0.10	201.5	0.03	0.003
	Maximum	0	0	0	0	20	6.59	0.55	106.8	0.11	224	0.03	0.003
	Minimum	0	0	0	0	16	6.39	0.33	86.2	0.09	181.3	0.03	0.003

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4-Jul-17	923 Mcfeely	0	0	0	0		6.42	0.45	81.8	0.08	172.5	0.03	0.029
11-Jul-17	962 Surfside	0	0	0	0	14	6.57	0.53	85.4	0.08	179.9		
17-Jul-17	1105 Surfside	0	0	0	0	19	6.51	0.41	90.3	0.09	190.0		
25-Jul-17	923 Mcfeely			0	0	19	6.35	0.43	86.8	0.09	182.7		
	Average	0	0	0	0	17.3	6.5	0.46	86.1	0.1	181.3	0.03	0.029
	Maximum	0	0	0	0	19	6.57	0.53	90.3	0.09	190.0	0.03	0.029
	Minimum	0	0	0	0	14	6.35	0.41	81.8	0.08	172.5	0.03	0.029

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7-Jun-17	1105 Surfside	0	0			15	6.49	0.44	83.7	0.08	176.6	0.02	0.004
12-Jun-17	923 McFeely	0	0			14	6.35	0.36	80.6	0.08	171.9		
19-Jun-17	962 Surfside	0	0			13	6.48	0.49	78.7	0.08	167.4		
26-Jul-17	1105 Surfside					14	6.50	0.45	85.6	0.08	180.5		
	Average	0	0	#DIV/0!	#DIV/0!	14.0	6.5	0.44	82.2	0.1	174.1	0.02	0.004
	Maximum	0	0	0	0	15	6.5	0.49	85.6	0.08	180.5	0.02	0.004
	Minimum	0	0	0	0	13	6.35	0.36	78.7	0.08	167.4	0.02	0.004

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1-May-17	962 Surfside	0	0			10	6.73	0.20	89.3	0.09	187.9		
8-May-17	1105 Surfside	0	0	0	0	10	6.58	0.31	87.4	0.09	184.1	0.04	0.000
15-May-17	923 McFeely	0	0	0	0	11	6.55	0.33	81.5	0.08	172.7		
24-May-17	962 Surfside					13	6.53	0.37	80.4	0.08	169.4		
	Average	0	0	0	0	11.0	6.6	0.30	84.7	0.09	178.5	0.04	0.000
	Maximum	0	0	0	0	13	6.73	0.37	89.3	0.09	187.9	0.04	0.000
	Minimum	0	0	0	0	10	6.53	0.20	80.4	0.08	169.4	0.04	0.000

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3-Apr-17	962 Surfside	0	0			8	6.75	0.22	89.3	0.09	189.4	0.04	0.000
10-Apr-17	1105 Surfside	0	0			8	6.73	0.31	89.2	0.09	187.8		
19-Apr-17	923 McFeely	0	0			9	6.60	0.00	73.1	0.07	153.5		
25-Apr-17	962 Surfside			0	0	10	6.63	0.39	78.2	0.08	164.8		
	Average	0	0	0	0	8.8	6.7	0.23	82.5	0.08	173.9	0.04	0.000
	Maximum	0	0	0	0	10	6.75	0.39	89.3	0.09	189.4	0.04	0.000
	Minimum	0	0	0	0	8	6.6	0.00	73.1	0.07	153.5	0.04	0.000

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7-Mar-17	1105 Surfside	0	0	0	0	6	6.53	0.36	79.5	0.08	166.1	0.04	0.011
15-Mar-17	962 Surfside	0	0	0	0	5.5	6.60	0.37	86.4	0.09	182.6		
21-Mar-17	923 McFeely	0	0	0	0	7	6.42	0.13	72.1	0.07	151.7		
28-Mar-17	1105 Surfside			0	0	7	6.75	0.25	86.7	0.09	181.4		
	Average	0	0	0	0	6.4	6.6	0.28	81.2	0.08	170.5	0.04	0.011
	Maximum	0	0	0	0	7	6.75	0.37	86.7	0.09	182.6	0.04	0.011
	Minimum	0	0	0	0	5.5	6.42	0.13	72.1	0.07	151.7	0.04	0.011

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14-Feb-17	1105 Surfside	0	0	0	0	5	6.73	0.29	86.8	0.09	183.2		
21-Feb-17	962 Surfside	0	0	0	0	7	6.31	0.33	76.1	0.08	159.4		
27-Feb-17	923 McFeely	0	0	0	0	6	7.00	0.57	92.3	0.09	194.5		
	Average	0	0	0	0	6.0	6.7	0.40	85.1	0.09	179.0	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	7	7	0.57	92.3	0.09	194.5	0	0.000
	Minimum	0	0	0	0	5	6.31	0.29	76.1	0.08	159.4	0	0.000

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3-Jan-17	1105 Surfside	0	0	0	0	8	6.62	0.46	74.0	0.07	154.4	0.01	0.040
17-Jan-17	962 Surfside	0	0	0	0	3	6.69	0.40	81.5	0.08	171.9		
24-Jan-17	923 McFeely	0	0	0	0	5	6.66	0.34	86.8	0.09	182.5		
31-Jan-17	962 Surfside			0	0	7	6.71	0.37	79.3	0.08	167.5		
	Average	0	0	0	0	5.8	6.7	0.39	80.4	0.08	169.1	0.01	0.040
	Maximum	0	0	0	0	8	6.71	0.46	86.8	0.09	182.5	0.01	0.040
	Minimum	0	0	0	0	3	6.62	0.34	74.0	0.07	154.4	0.01	0.040

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