

# Regional District of Nanaimo - Water Services Department

## Surfside Water Analysis - 2019 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)
2-Oct-19	1105 Surfside	0	0	0	0	16	6.59	0.24	131.7	0.13	275.0	0.04	0.015
Average		0	0	0	0	16.0	6.6	0.24	131.7	0.13	275.0	0.04	0.015
Maximum		0	0	0	0	16.0	6.59	0.24	131.7	0.13	275.0	0.04	0.015
Minimum		0	0	0	0	16	6.59	0.24	131.7	0.13	275	0.04	0.015

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-Sep-19	1105 Surfside	0	0	0	0	14	6.61	0.43	139.2	0.14	291.0	0.06	0.036
9-Sep-19	923 McFeely	0	0	0	0	17	6.71	0.46	132.9	0.13	278.0		
18-Sep-19	962 Surfside	0	0	0	0	16	6.65	0.43	140.7	0.14	294.0		
25-Sep-19	923 McFeely			0	0	17	6.73	0.35	137.1	0.14	288.0		
	Average	0	0	0	0	16.0	6.7	0.42	137.5	0.14	287.8	0.06	0.036
	Maximum	0	0	0	0	17	6.73	0.46	140.7	0.14	294.0	0.06	0.036
	Minimum	0	0	0	0	14	6.61	0.35	132.9	0.13	278	0.06	0.036

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6-Aug-19	1105 Surfside	0	0	0	0	18	6.58	0.49	109.7	0.11	230.0	0.02	0.017
13-Aug-19	923 McFeely	0	0	0	0	18	6.65	0.35	105.9	0.10	223.0		
19-Aug-19	962 Surfside	0	0	0	0	15	6.81	0.52	96.8	0.10	202.9		
27-Aug-19	923 McFeely			0	0	18	6.79	0.46	110.3	0.11	231.0		
	Average	0	0	0	0	17.3	6.7	0.46	105.7	0.11	221.7	0.02	0.017
	Maximum	0	0	0	0	18	6.81	0.52	110.3	0.11	231	0.02	0.017
	Minimum	0	0	0	0	15	6.58	0.35	96.8	0.1	202.9	0.02	0.017

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2-Jul-19	1105 Surfside	0	0	0	0	18	6.65	0.48	85.4	0.08	179.9	0.03	0.020
9-Jul-19	923 Mcfeely	0	0	0	0	19	6.65	0.51	86.7	0.09	182.5		
16-Jul-19	962 Surfside	0	0	0	0	16	6.62	0.53	91.7	0.09	193.0		
23-Jul-19	923 Mcfeely			0	0	20	6.95	0.52	92.7	0.09	195.0		
	Average	0	0	0	0	18.3	6.7	0.51	89.1	0.09	187.6	0.03	0.020
	Maximum	0	0	0	0	20	6.95	0.53	92.7	0.09	195.0	0.03	0.020
	Minimum	0	0	0	0	16	6.62	0.48	85.4	0.08	179.9	0.03	0.020

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3-Jun-19	1105 Surfside	0	0	0	0	16	6.49	0.42	77.1	0.08	160.3	0.03	0.028
10-Jun-19	923 McFeely	0	0	0	0	16	6.49	0.54	73.1	0.07	154.1		
17-Jun-19	962 Surfside	0	0	0	0	15	6.56	0.51	78.9	0.08	167.4		
26-Jun-19	923 McFeely					17.5	6.56	0.56	78.9	0.08	166.7		
	Average	0	0	0	0	16.1	6.5	0.51	77.0	0.1	162.1	0.03	0.028
	Maximum	0	0	0	0	17.5	6.56	0.56	78.9	0.08	167.4	0.03	0.028
	Minimum	0	0	0	0	15	6.49	0.42	73.1	0.07	154.1	0.03	0.028

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6-May-19	1105 Surfside	0	0	0	0	11	6.80	0.40	74.4	0.07	157.3	0.01	0.009
13-May-19	1105 Surfside			0	0	14	6.56	0.42	74.7	0.07	157.1		
21-May-19	962 Surfside	0	0	0	0	13	6.33	0.50	73.4	0.07	160.0		
27-May-19	923 McFeely			0	0	14	6.42	0.41	73.4	0.07	154.8		
	Average	0	0	0	0	13.0	6.5	0.43	74.0	0.07	157.3	0.01	0.009
	Maximum	0	0	0	0	14	6.8	0.5	74.7	0.07	160	0.01	0.009
	Minimum	0	0	0	0	11	6.33	0.40	73.4	0.07	154.8	0.01	0.009

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1-Apr-19	1105 Surfside	0	0	0	0	9	6.72	0.38	76.6	0.08	161.8	0.01	0.000
8-Apr-19	962 Surfside	0	0	0	0	10	6.87	0.44	73.3	0.07	154.7		
15-Apr-19	923 McFeely	0	0	0	0	10	6.85	0.31	69.6	0.07	147.3		
23-Apr-19	1105 Surfside			0	0	9	6.88	0.38	77.8	0.08	164.1		
29-Apr-19	962 Surfside			0	0	11	6.83	0.34	70.2	0.07	147.5		
	Average	0	0	0	0	9.8	6.8	0.37	73.5	0.07	155.1	0.01	0.000
	Maximum	0	0	0	0	11	6.88	0.44	77.8	0.08	164.1	0.01	0.000
	Minimum	0	0	0	0	9	6.72	0.31	69.6	0.07	147.3	0.01	0.000

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5-Mar-19	1105 Surfside	0	0	0	0	6	6.77	0.17	74.2	0.07	153.5	0.05	0.000
11-Mar-19	923 McFeely	0	0	0	0		6.78	0.29	68.5	0.07	144.0		
18-Mar-19	962 Surfside	0	0	0	0	6	6.68	0.31	76.5	0.07	161.7		
27-Mar-19	923 McFeely			0	0	7	6.71	0.18	70.3	0.07	148.3		
	Average	0	0	0	0	6.3	6.7	0.24	72.4	0.07	151.9	0.05	0.000
	Maximum	0	0	0	0	7	6.78	0.31	76.5	0.07	161.7	0.05	0.000
	Minimum	0	0	0	0	6	6.68	0.17	68.5	0.07	144	0.05	0.000

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4-Feb-19	923 McFeely	0	0	0	0	6	6.85	0.39	84.5	0.08	177.7		
11-Feb-19	1105 Surfside	0	0	0	0	5	6.79	0.34	78.7	0.08	166.4	0.04	0.030
19-Feb-19	962 Surfside	0	0	0	0	6	6.80	0.46	73.0	0.07	154.1		
25-Feb-19	923 McFeely			0	0	4	6.76	0.37	71.9	0.07	151.7		
	Average	0	0	0	0	5.3	6.8	0.39	77.0	0.08	162.5	0.04	0.030
	Maximum	0	0	0	0	6	6.85	0.46	84.5	0.08	177.7	0.04	0.030
	Minimum	0	0	0	0	4	6.76	0.34	71.9	0.07	151.7	0.04	0.030

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7-Jan-19	923 McFeely	0	0	0	0	7	6.68	0.43	70.4	0.07	149.0	0.04	0.027
14-Jan-19	1105 Surfside	0	0	0	0	7	6.87	0.36	80.0	0.08	168.8		
21-Jan-19	962 Surfside	0	0	0	0	6	6.64	0.41	72.1	0.07	152.3		
28-Jan-19	923 McFeely			0	0	6	6.71	0.37	79.0	0.08	161.0		
	Average	0	0	0	0	6.5	6.7	0.39	75.4	0.08	157.8	0.04	0.027
	Maximum	0	0	0	0	7	6.87	0.43	80	0.08	168.8	0.04	0.027
	Minimum	0	0	0	0	6	6.64	0.36	70.4	0.07	149	0.04	0.027

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