



# Regional District of Nanaimo - Water Services Department

## Surfside Water Analysis - 2018 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-18	923 McFeely	0	0	0	0	10	6.69		75.7	0.08	159.6	0.03	0.007
10-Dec-18	1105 Surfside	0	0	0	0	8	6.83	0.31	85.9	0.09	180.7		
18-Dec-18	962 Surfside	0	0	0	0	8	6.79	0.42	94.2	0.09	198.2		
	<b>Average</b>	0	0	0	0	8.7	6.8	0.37	85.3	0.09	179.5	0.03	0.007
	<b>Maximum</b>	0	0	0	0	10	6.83	0.42	94.2	0.09	198.2	0.03	0.007
	<b>Minimum</b>	0	0	0	0	8	6.69	0.31	75.7	0.08	159.6	0.03	0.007

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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7-Nov-18	1105 Surfside	0	0	0	0	12	6.86	0.21	95.3	0.09	200.6	0.00	0.014
14-Nov-18	923 McFeely	0	0	0	0	11	6.61	0.10	79.7	0.08	167.9		
19-Nov-18	962 Surfside	0	0	0	0	10	6.61	0.38	76.9	0.08	162.1		
27-Nov-18	1105 Surfside			0	0	10	6.79	0.24	89.2	0.09	187.4		
	<b>Average</b>	0	0	0	0	10.8	6.7	0.23	85.3	0.09	179.5	0.00	0.014
	<b>Maximum</b>	0	0	0	0	12	6.86	0.38	95.3	0.09	200.6	0.00	0.014
	<b>Minimum</b>	0	0	0	0	10	6.61	0.10	76.9	0.08	162.1	0.00	0.014

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1-Oct-18	923 McFeely	0	0	0	0	16	6.68	0.20	91.1	0.09	191.1	0.02	0.000
9-Oct-18	962 Surfside	0	0	0	0	15	6.80	0.20	81.3	0.08	171.5		
15-Oct-18	1105 Surfside	0	0	0	0	14	6.81	0.18	90.4	0.09	190.4		
22-Oct-18	923 McFeely			0	0	13	6.66	0.06	80.8	0.08	169.3		
30-Oct-18	962 Surfside			0	0	12	6.71	0.04	79.8	0.08	168.0		
	<b>Average</b>	0	0	0	0	14.0	6.7	0.14	84.7	0.08	178.1	0.02	0.000
	<b>Maximum</b>	0	0	0	0	16.0	6.81	0.20	91.1	0.09	191.1	0.02	0.000
	<b>Minimum</b>	0	0	0	0	12	6.66	0.04	79.8	0.08	168	0.02	0.000

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5-Sep-18	1105 Surfside	0	0	0	0	19	6.70	0.37	101.7	0.10	214.1	0.05	0.031
10-Sep-18	923 McFeely	0	0	0	0	19	6.70	0.22	95.4	0.09	200.0		
18-Sep-17	962 Surfside	0	0	0	0	18	6.73	0.31	103.1	0.10	216.1		
24-Sep-18	1105 Surfside			0	0	16	6.99	0.05	115.1	0.11	241.0		
	<b>Average</b>	0	0	0	0	18.0	6.8	0.24	103.8	0.10	217.8	0.05	0.031
	<b>Maximum</b>	0	0	0	0	19	6.99	0.37	115.1	0.11	241.0	0.05	0.031
	<b>Minimum</b>	0	0	0	0	16	6.7	0.05	95.4	0.09	200	0.05	0.031

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7-Aug-18	962 Surfside	0	0	0	0	16	6.43	0.29	79.0	0.08	166.1	0.03	0.002
13-Aug-18	1105 Surfside	0	0	0	0	17	6.99	0.40	83.6	0.08	176.6		
22-Aug-18	923 McFeely	0	0	0	0	20	6.72	0.31	93.6	0.09	196.3		
29-Aug-18	962 Surfside			0	0	17	6.63	0.27	100.3	0.10	210.2		
	<b>Average</b>	0	0	0	0	17.5	6.7	0.32	89.1	0.09	187.3	0.03	0.002
	<b>Maximum</b>	0	0	0	0	20	6.99	0.4	100.3	0.1	210.2	0.03	0.002
	<b>Minimum</b>	0	0	0	0	16	6.43	0.27	79.0	0.08	166.1	0.03	0.002

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3-Jul-18	1105 Surfside	0	0	0	0	15	6.42	0.07	78.5	0.08	165.3	0.00	0.005
9-Jul-18	923 McFeely	0	0	0	0	17	6.53	0.90	79.6	0.08	167.8		
16-Jul-18	962 Surfside	0	0	0	0	16	6.46	0.35	82.8	0.08	174.5		
24-Jul-18	1105 Surfside			0	0	18	6.30	0.48	87.5	0.09	184.0		
30-Jul-18	923 McFeely			0	0	19	6.48	0.25	84.6	0.08	178.1		
	<b>Average</b>	0	0	0	0	17.0	6.4	0.41	82.6	0.08	173.9	0.00	0.005
	<b>Maximum</b>	0	0	0	0	19	6.53	0.9	87.5	0.09	184.0	0.00	0.005
	<b>Minimum</b>	0	0	0	0	15	6.3	0.07	78.5	0.08	165.3	0.00	0.005

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5-Jun-18	962 Surfside	0	0	0	0	15	6.35	0.57	75.4	0.07	158.3		
11-Jun-18	1105 Surfside	0	0	0	0	15	6.57	4.20	91.9	0.09	193.6	0.02	0.003
18-Jun-18	923 McFeely	0	0	0	0	17	6.62	0.56	75.0	0.07	158.2		
25-Jun-18	962 Surfside			0	0	14	6.54	0.58	75.7	0.08	159.7		
	<b>Average</b>	0	0	0	0	15.3	6.5	1.48	79.5	0.1	167.5	0.02	0.003
	<b>Maximum</b>	0	0	0	0	17	6.62	4.2	91.9	0.09	193.6	0.02	0.003
	<b>Minimum</b>	0	0	0	0	14	6.35	0.56	75	0.07	158.2	0.02	0.003

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1-May-18	923 McFeely	0	0	0	0	11	6.55	0.13	74.3	0.07	155.9		
7-May-18	1105 Surfside	0	0	0	0	13	6.76	0.33	79.6	0.08	167.8	0.03	0.003
14-May-18	962 Surfside	0	0	0	0	15	6.40	0.37	75.3	0.07	158.6		
22-May-18	1105 Surfside			0	0	15	6.42	0.48	77.8	0.08	163.7		
29-May-18	923 McFeely			0	0	16	6.36	0.55	72.8	0.07	153.3		
	<b>Average</b>	0	0	0	0	14.0	6.5	0.37	76.0	0.07	159.9	0.03	0.003
	<b>Maximum</b>	0	0	0	0	16	6.76	0.55	79.6	0.08	167.8	0.03	0.003
	<b>Minimum</b>	0	0	0	0	11	6.36	0.13	72.8	0.07	153.3	0.03	0.003

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4-Apr-18	962 Surfside	0	0	0	0	7	6.23	0.38	76.0	0.08	160.2	0.05	0.019
9-Apr-18	923 McFeely	0	0	0	0	9	6.23	0.23	75.2	0.07	159.0		
16-Apr-18	1105 Surfside	0	0	0	0	9	6.31	0.23	99.1	0.10	211.0		
24-Apr-18	962 Surfside			0	0	11	6.53	0.41	78.3	0.08	165.5		
	<b>Average</b>	0	0	0	0	9.0	6.3	0.31	82.2	0.08	173.9	0.05	0.019
	<b>Maximum</b>	0	0	0	0	11	6.53	0.41	99.1	0.1	211	0.05	0.019
	<b>Minimum</b>	0	0	0	0	7	6.23	0.23	75.2	0.07	159	0.05	0.019

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5-Mar-18	1105 Surfside	0	0	0	0	6	6.45	0.39	81.4	0.08	171.7	0.00	0.010
12-Mar-18	962 Surfside	0	0	0	0	7	6.38	0.39	76.5	0.08	161.8		
20-Mar-18	923 McFeely	0	0	0	0	7	6.36	0.32	74.2	0.07	156.7		
27-Mar-18	1105 Surfside			0	0	7	6.82	0.20	81.6	0.08	171.9		
	<b>Average</b>	0	0	0	0	6.8	6.5	0.33	78.4	0.08	165.5	0.00	0.010
	<b>Maximum</b>	0	0	0	0	7	6.82	0.39	81.6	0.08	171.9	0.00	0.010
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5-Feb-18	923 McFeely	0	0	0	0	7	6.28	0.41	74.0	0.07	155.6	0.00	0.002
14-Feb-18	1105 Surfside	0	0	0	0		6.47	0.56	80.1	0.08	168.5		
20-Feb-18	962 Surfside	0	0	0	0	6	6.50	0.26	84.0	0.08	177.3		
26-Feb-18	923 McFeely			0	0	7	6.38	0.35	75.0	0.07	158.2		
	<b>Average</b>	0	0	0	0	6.7	6.4	0.40	78.3	0.08	164.9	0.00	0.002
	<b>Maximum</b>	0	0	0	0	7	6.5	0.56	84	0.08	177.3	0.00	0.002
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2-Jan-18	1105 Surfside	0	0	0	0		6.48	0.41	81.0	0.08	170.4	0.05	0.017
8-Jan-18	962 Surfside	0	0	0	0	9	6.41	0.38	72.9	0.07	153.1		
15-Jan-18	923 McFeely	0	0	0	0	7	6.43	0.39	78.9	0.08	166.6		
22-Jan-18	1105 Surfside			0	0	8	6.70	0.32	83.9	0.08	176.6		
29-Jan-18	962 Surfside			0	0	7	6.37	0.30	74.0	0.07	156.5		
	<b>Average</b>	0	0	0	0	7.8	6.5	0.36	78.1	0.08	164.6	0.05	0.017
	<b>Maximum</b>	0	0	0	0	9	6.7	0.41	83.9	0.08	176.6	0.05	0.017
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