



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2016 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)
7-Dec-16	1105 Surfside	0	0	0	0	8	6.70	0.13	94.6	0.09	199.1	0.08	0.010
14-Dec-16	962 Surfside	0	0	0	0	4	6.68	0.31	89.0	0.09	187.8		
14-Dec-16	923 McFeely	0	0	0	0	4	6.48	0.16	94.7	0.09	198.6		
	Average	0	0	0	0	5.3	6.6	0.20	92.8	0.09	195.2	0.08	0.010
	Maximum	0	0	0	0	8	6.7	0.31	94.7	0.09	199.1	0.08	0.010
	Minimum	0	0	0	0	4	6.48	0.13	89	0.09	187.8	0.08	0.010

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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1-Nov-16	962 Surfside	0	0	0	0	12	6.48	0.40	85.8	0.09	180.5	0.04	0.006
8-Nov-16	923 Mcfeely	0	0	0	0	11	6.44	0.20	89.1	0.09	187.1		
14-Nov-16	1105 Surfside	0	0	0	0	11	6.54	0.24	92.6	0.09	194.2		
22-Nov-16	962 Surfside			0	0	8	6.44	0.44	84.6	0.08	178.3		
29-Nov-16	923 Mcfeely			0	0	7	6.38	0.20	93.7	0.09	197.3		
	Average	0	0	0	0	9.8	6.5	0.30	89.2	0.09	187.5	0.04	0.006
	Maximum	0	0	0	0	12	6.54	0.44	93.7	0.09	197.3	0.04	0.006
	Minimum	0	0	0	0	7	6.38	0.20	84.6	0.08	178.3	0.04	0.006

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4-Oct-16	1105 Surfside	0	0	0	0	14	6.54	0.20	122.1	0.12	256.0	0.10	0.019
12-Oct-16	962 Surfside	0	0	0	0	11	6.42	0.39	96.1	0.10	202.0		
18-Oct-16	923 McFeely	0	0	0	0	11	6.35	0.05	135.3	0.13	283.0		
24-Oct-16	1105 Surfside			0	0	10	6.53	0.29	109.1	0.11	230.0		
	Average	0	0	0	0	11.5	6.5	0.23	115.7	0.1	242.8	0.10	0.019
	Maximum	0	0	0	0	14	6.54	0.39	135.3	0.13	283	0.10	0.019
	Minimum	0	0	0	0	10	6.35	0.05	96.1	0.1	202	0.10	0.019

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6-Sep-16	962 Surfside	0	0	0	0	17.5	6.52	0.23	154.9	0.15	324.0	0.07	0.019
13-Sep-16	962 Surfside	0	0	0	0	17	6.72	0.39	131.8	0.13	275.0		
20-Sep-16	1105 Surfside	0	0	0	0	16.5	6.46	0.35	148.1	0.15	309.0		
27-Sep-16	923 McFeely	0	0	0	0	14	6.37	0.19	140.8	0.14	290.0		
	Average	0	0	0	0	16.3	6.5	0.29	143.9	0.1	299.5	0.07	0.019
	Maximum	0	0	0	0	17.5	6.72	0.39	154.9	0.15	324	0.07	0.019
	Minimum	0	0	0	0	14	6.37	0.19	131.8	0.13	275	0.07	0.019

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2-Aug-16	1105 Surfside	0	0	0	0	19	6.51	0.43	126.1	0.12	264.0	0.02	0.010
9-Aug-16	923 McFeely	0	0	0	0	19	6.46	0.43	127.5	0.13	267.0		
16-Aug-16	962 Surfside	0	0	0	0	20	6.36	0.40	127.4	0.13	267.0		
23-Aug-16	1105 Surfside			0	0	19	6.36	0.41	147.2	0.15	307.0		
29-Aug-16	923 McFeely			0	0	19	6.63	0.34	143.9	0.14	301.0		
	Average	0	0	0	0	19.2	6.5	0.40	134.4	0.1	281.2	0.02	0.010
	Maximum	0	0	0	0	20	6.63	0.43	147.2	0.15	307	0.02	0.010
	Minimum	0	0	0	0	19	6.36	0.34	126.1	0.12	264	0.02	0.010

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5-Jul-16	962 Surfside	0	0	0	0	14	6.54	0.57	101.4	0.10	212.9	0.02	0.000
12-Jul-16	1105 Surfside	0	0	0	0	17	6.48	0.49	123.3	0.12	258.0		
18-Jul-16	923 McFeely	0	0	0	0		6.31	0.48	107.5	0.11	225.0		
26-Jul-16	962 Surfside			0	0	15	6.51	0.55	115.5	0.11	242.0		
	Average	0	0	0	0	15.3	6.5	0.52	111.9	0.1	234.5	0.02	0.000
	Maximum	0	0	0	0	17	6.54	0.57	123.3	0.12	258	0.02	0.000
	Minimum	0	0	0	0	14	6.31	0.48	101.4	0.1	212.9	0.02	0.000

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7-Jun-16	923 McFeely	0	0	0	0	16	6.58	0.24	77.7	0.08	163.5	0.02	0.000
14-Jun-16	962 Surfside	0	0	0	0	16	6.50	0.21	92.8	0.09	194.9		
21-Jun-16	1105 SurfSide	0	0	0	0	15	6.50	0.42	92.8	0.09	195.5		
27-Jun-16	923 McFeely			0	0	16	6.58	0.45	95.6	0.09	200.3		
	Average	0	0	0	0	15.8	6.5	0.33	89.7	0.1	188.6	0.02	0.000
	Maximum	0	0	0	0	16	6.58	0.45	95.6	0.09	200.3	0.02	0.000
	Minimum	0	0	0	0	15	6.5	0.21	77.7	0.08	163.5	0.02	0.000

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4-May-16	962 Surfside	0	0	0	0	14	7.20	0.34	73.6	0.07	155.8		
10-May-16	1105 Surfside	0	0	0	0	14	6.58	0.22	78.0	0.08	164.3	0.06	0.022
17-May-16	923 McFeely	0	0	0	0	15	6.62	0.21	72.6	0.07	153.4		
25-May-16	962 Surfside			0	0	16	6.78	0.19	75.6	0.07	159.8		
31-May-16	1105 Surfside			0	0	16	6.90	0.31	77.5	0.08	163.4		
	Average	0	0	0	0	15.0	6.8	0.25	75.5	0.1	159.3	0.06	0.022
	Maximum	0	0	0	0	16	7.2	0.34	78	0.08	164.3	0.06	0.022
	Minimum	0	0	0	0	14	6.58	0.19	72.6	0.07	153.4	0.06	0.022

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4-Apr-16	923 McFeely	0	0	0	0	9	6.64	0.02	74.8	0.07	157.5	0.07	0.030
12-Apr-16	962 Surfside	0	0	0	0	11	6.65	0.27	75.2	0.07	159.5		
19-Apr-16	1105 Surfside	0	0	0	0	11	6.81	0.19	83.5	0.08	175.9		
25-Apr-16	923 McFeely			0	0		6.71	0.07	71.9	0.07	151.5		
	Average	0	0	0	0	10.3	6.7	0.14	76.4	0.1	161.1	0.07	0.030
	Maximum	0	0	0	0	11	6.81	0.27	83.5	0.08	175.9	0.07	0.030
	Minimum	0	0	0	0	9	6.64	0.02	71.9	0.07	151.5	0.07	0.030

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1-Mar-16	1105 Surfside	0	0	0	0	7	6.65	0.21	80.5	0.08	170.0	0.02	0.027
8-Mar-16	923 McFeely	0	0	0	0	8	6.60	0.21	73.2	0.07	154.9		
15-Mar-16	962 Surfside	0	0	0	0	8	6.71	0.32	73.1	0.07	154.1		
22-Mar-16	1105 Surfside			0	0	8	6.73	0.16	87.6	0.09	184.6		
29-Mar-16	1105 Surfside			0	0	9	6.76	0.19	85.3	0.08	179.6		
	Average	0	0	0	0	8.0	6.7	0.22	79.9	0.1	168.6	0.02	0.027
	Maximum	0	0	0	0	9	6.76	0.32	87.6	0.09	184.6	0.02	0.027
	Minimum	0	0	0	0	7	6.6	0.16	73.1	0.07	154.1	0.02	0.027

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2-Feb-16	962 Surfside	0	0	0	0	7	6.62	0.26	81.9	0.08	167.3	0.04	0.000
9-Feb-16	1105 Surfside	0	0	0	0	7	6.80	0.22	88.7	0.09	186.4		
16-Feb-16	923 McFeely	0	0	0	0	6	6.65	0.24	95.0	0.09	204.6		
23-Feb-16	962 Surfside			0	0	7	6.80	0.30	75.2	0.07	157.8		
	Average	0	0	0	0	6.8	6.7	0.26	85.2	0.1	179.0	0.04	0.000
	Maximum	0	0	0	0	7	6.8	0.3	95	0.09	204.6	0.04	0.000
	Minimum	0	0	0	0	6	6.62	0.22	75.2	0.07	157.8	0.04	0.000

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4-Jan-16	923 McFeely	0	0	0	0	8	6.94	0.30	76.8	0.08	162.4	0.01	0.027
12-Jan-16	962 Surfside	0	0	0	0	6	6.63	0.34	77.0	0.08	161.9		
20-Jan-16	1105 Surfside	0	0	0	0	7	6.61	0.30	81.2	0.08	171.5		
26-Jan-16	923 McFeely			0	0	8	6.60	0.29	79.3	0.08	165.6		
	Average	0	0	0	0	7.3	6.7	0.31	78.6	0.1	165.4	0.01	0.027
	Maximum	0	0	0	0	8	6.94	0.34	81.2	0.08	171.5	0.01	0.027
	Minimum	0	0	0	0	6	6.6	0.29	76.8	0.08	161.9	0.01	0.027

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