

Surfside Water Analysis - 2011 Monthly Report



E1007 C 1000 C 1		Health De	epartment						In-House				
Date	Sample Location (Address)	E.coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
04-Jan-11	962 Surfside			0	2		6.8	0.03	80	0.1	171	0.01	0.011
04-Jan-11	1081 Surfside	0	1	0	0								
05-Jan-11	962 Surfside			0	0								
11-Jan-11	962 Surfside	0	0	0	0		7.0	0.06	75	0.1	161		
17-Jan-11	927 McFeely			0	0		6.8	0.02	84	0.1	180.1		
25-Jan-11	962 Surfside			0	0	6	6.8	0.02	75	0.1	160.6		
	Average	0	0.5	0	0.3	6.0	6.9	0.03	78.5	0.1	168.2	0.01	0.011
	Maximum	0	1	0	2	6	7	0.06	84	0.1	180.1	0.01	0.011
	Minimum	0	0	0	0	6	6.8	0.02	75	0.1	160.6	0.01	0.011

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.

Total coliforms can be an indicator of adverse water quality if the result in the resample is positive (US Environmental Protection Agency). RDN water samples are always tested for fecal coliform bacteria at the same time as total coliforms to rule out the presence of harmful pathogens. If background bacteria (BG), total or fecal bacteria are detected location is resampled. If the bacteria test is overgrown (OG) location is also resampled.



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01-Feb-11	962 Surfside	0	1	0	0	7	7.0	0.02	71.0	0.1	150.0	0.02	0.005
09-Feb-11	1081 Surfside	0	0	0	0	6	6.6	n/a	77.0	0.1	161.2		
14-Feb-11	927 McFeely			0	0	7	6.6	n/a	75.0	0.0	157.4		
21-Feb-11	1081 Surfside			0	0	6	7.0	n/a	77.0	0.1	163.3		
	Average	0	0.5	0	0	6.5	6.8	0.02	75.0	0.1	158.0	0.02	0.005
	Maximum	0	1	0	0	7	7.0	0.02	77.0	0.1	163.3	0.02	0.005
	Minimum	0	0	0	0	6	6.6	0.02	71.0	0	150.0	0.02	0.005

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01-Mar-11	962 Surfside	0	0	0	0	7	6.1	n/a	70.0	0.0	147.7	0.02	0.005
08-Mar-11	1081 Surfside	0	0	0	0	5	6.7	n/a	75.0	0.1	157.6		
15-Mar-11	923 McFeely			0	0	7	6.5	n/a	70.0	0.1	149.2		
23-Mar-11	962 Surfside			0	0	7	6.4	n/a	70.0	0.1	146.6		
28-Mar-11	1081 Surfside			0	0	7	6.3	n/a	75.0	0.1	159.4		
	Average	0	0	0	0	6.6	6.4		72.0	0.1	152.1	0.02	0.005
	Maximum	0	0	0	0	7	6.7		75.0	0.1	159.4	0.02	0.005
	Minimum	0	0	0	0	5	6.1		70.0	0	146.6	0.02	0.005

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05-Apr-11	962 Surfside	0	0	0	0	8	6.90	n/a	65.9	0.07	141.9	0.03	0.002
11-Apr-11	1081 Surfside	0	0	0	0	8	7.15	n/a	72.2	0.07	150.9		
18-Apr-11	923 McFeely			0	0	8	6.69	n/a	69.2	0.07	143.5		
27-Apr-11	962 Surfside			0	0	10	7.30	n/a	82.0	0.10	174.0		
	Average	0	0	0	0	8.5	7.01		72.3	0.08	152.6	0.03	0.002
	Maximum	0	0	0	0	10	7.30		82.0	0.10	174.0	0.03	0.002
	Minimum	0	0	0	0	8	6.69		65.9	0.07	141.9	0.03	0.002

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03-May-11	1081 Surfside	0	1	0	0	10	6.65	n/a	97.0	0.09	191.2	0.02	0.005
10-May-11	1081 Surfside			0	0	11	7.00	n/a	73.0	0.00	120.0		
17-May-11	962 Surfside	0	0	0	0	12	7.10	n/a	70.0	0.10	119.5		
24-May-11	923 McFeely			0	0	12	7.10	n/a	70.0	0.10	123.6		
31-May-11	1081 Surfside			0	0	12	7.13	n/a	70.0	0.07	145.9		
	Average	0	0.5	0	0	11.4	7.00		76.0	0.07	140.0	0.02	0.005
	Maximum	0	1	0	0	12	7.13		97.0	0.10	191.2	0.02	0.005
	Minimum	0	0	0	0	10	6.65		70.0	0.00	119.5	0.02	0.005

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06-Jun-11	962 Surfside Dr	0	0	0	12	12	7.20	n/a	69.0	0.10	126.0	0.02	0.005
07-Jun-11	962 Surfside Dr			0	0			n/a					
15-Jun-11	1081 Surfside	0	0	0	0	14	7.40	n/a	72.0	0.10	120.0		
22-Jun-11	923 McFeely			0	0	15	6.97	n/a	68.8	0.07	145.0		
27-Jun-11	962 Surfside Dr					14	7.60	n/a	68.0	0.10	129.7		
	Average	0	0	0	3	13.8	7.29		69.5	0.09	130.2	0.02	0.005
	Maximum	0	0	0	12	15	7.60		72.0	0.10	145.0	0.02	0.005
	Minimum	0	0	0	0	12	6.97		68.0	0.07	120.0	0.02	0.005

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04-Jul-11	1081 Surfside Dr	0	0	0	3	13	6.85	n/a	68.6	0.07	142.2		
07-Jul-11	1081 Surfside Dr			0	0			n/a					
12-Jul-11	962 Surfside Dr	0	0	0	0	14	6.68	n/a	73.4	0.07	154.6	0.02	0.013
19-Jul-11	923 Mc Feely			0	4	15	6.72	n/a	70.6	0.07	148.6		
26-Jul-11	962 Surfside Dr			0	0	13	7.10	n/a	73.0	0.10	153.6		
	Average	0	0	0	1.4	13.8	6.84		71.4	0.08	149.8	0.02	0.013
	Maximum	0	0	0	4	15	7.10		73.4	0.10	154.6	0.02	0.013
	Minimum	0	0	0	0	13	6.68		68.6	0.07	142.2	0.02	0.013

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03-Aug-11	1081 Surfside	0	0	0	0	14	7.15	n/a	73.3	0.07	145.1	0.02	0.01
08-Aug-11	962 Surfside	0	0	0	0	12	6.64	n/a	73.0	0.07	154.2		
16-Aug-11	923 McFeely			0	0	14	6.76	n/a	75.7	0.07	142.9		
23-Aug-11	962 Surfside			0	0	14	7.21	n/a	75.5	0.07	145.2		
30-Aug-11	1081 Surfside			0	0	16	6.74	n/a	81.0	0.08	152.7		
	Average	0	0	0	0	14.0	6.90		75.7	0.07	148.0	0.02	0.01
	Maximum	0	0	0	0	16	7.21		81.0	0.08	154.2	0.02	0.01
	Minimum	0	0	0	0	12	6.64		73.0	0.07	142.9	0.02	0.01

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OF NANAIN	10	Health De	epartment											
Date	Sample Location (Address)	E.coli *	Total Coliform		Coliform		рН	Chlorine Residual	Dissolved Solids			Iron	Manganese (mg/L)	
06-Sep-11	1081 Surfside	1	1	0	0	15	6.54		79.6	0.08	168.0	0.01	0.003	
08-Sep-11	1081 Surfside			0	0									
08-Sep-11	962 Surfside			0	0									
08-Sep-11	923 McFeely			0	0									
09-Sep-11	1081 Surfside			0	0									
09-Sep-11	962 Surfside			0	0									
09-Sep-11	923 McFeely			0	0									
10-Sep-11	1081 Surfside			0	0									
10-Sep-11	962 Surfside			0	0									
10-Sep-11	923 McFeely			0	0									
11-Sep-11	1081 Surfside			0	0									
11-Sep-11	962 Surfside			0										
11-Sep-11	923 McFeely			0	0									
12-Sep-11	1081 Surfside	0	0											
12-Sep-11	962 Surfside	0	0	0	0									
13-Sep-11	1081 Surfside	0	0											
13-Sep-11	962 Surfside	0	0	0	0									
14-Sep-11	1081 Surfside	0	0	0	0									
14-Sep-11	962 Surfside	0	7	0	0									
20-Sep-11	962 Surfside	0	0	0	0	17	6.62	0.40	81.5	0.08	171.9			
28-Sep-11	1081 Surfside	-	-	0	0	15	6.80	0.20	81.9	0.08	152.2			
							2.00	0	2.10	3.00				
	Average	0.1	1	0	0	15.7	6.65	0.30	81.0	0.08	164.0	0.01	0.003	
	Maximum	1	7	0	0	17	6.80	0.4	81.9	0.08	171.9	0.01	0.003	
	Minimum	0	0	0	0	15	6.54	0.2	79.6	0.08	152.2	0.01	0.003	

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05-Oct-11	962 Surfside	0	0	0	0	15	6.67	0.33	78.8	0.08	166.3	0.03	0.001
11-Oct-11	1081 Surfside	0	0	0	0	15	6.68	0.15	77.4	0.08	163.3		
18-Oct-11	923 McFeely			0	0	14	6.62	0.01	76.7	0.08	162.2		
24-Oct-11	1081 Surfside			0	0	14	7.18	0.07	76.0	0.08	159.8		
	Average	0	0	0	0	14.5	6.79	0.14	77.2	0.08	162.9	0.03	0.001
	Maximum	0	0	0	0	15	7.18	0.33	78.8	0.08	166.3	0.03	0.001
	Minimum	0	0	0	0	14	6.62	0.01	76	0.08	159.8	0.03	0.001

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01-Nov-11	962 Surfside	0	0	0	0	12	6.74	0.37	73.9	0.07	155.8	0.01	0.003
07-Nov-11	1081 Surfside Dr		Т	0	0	10	6.56	0.34	73.2	0.07	154.8		
15-Nov-11	1081 McFeely	0	0	0	0	10	6.53	0.49	68	0.07	143.3	0.004	0.001
21-Nov-11	962 Surfside			0	0	10	7.10	0.40	65.9	0.06	112.7		
28-Nov-11	1081 Surfside Dr			0	0	8	7.00	0.24	80.2	0.08	169.0		
	Average	0	0	0	0	10.0	6.8	0.37	72.2	0.1	147.1	0.01	0.002
	Maximum	0	0	0	0	12	7.1	0.49	80.2	0.08	169	0.01	0.003
	Minimum	0	0	0	0	8	6.53	0.24	65.9	0.06	112.7	0.004	0.001

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T-Transport time was too long to laboratory.

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05-Dec-11	923 McFeely	0	0	0	0	7	6.69	0.20	69.1	0.07	146.0	0.04	0.007
13-Dec-11	962 Surfside	0	0	0	0	7	6.64	0.51	66.8	0.07	141.3		
19-Dec-11	1081 Surfside	0	0	0	0	8	6.60	0.22	69.0	0.07	144.9		
	Average	0	0	0	0	7.3	6.6	0.31	68.3	0.1	144.1	0.04	0.007
	Maximum	0	0	0	0	8	6.69	0.51	69.1	0.07	146	0.04	0.007
	Minimum	0	0	0	0	7	6.6	0.2	66.8	0.07	141.3	0.04	0.007

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