



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2010 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		Fecal Coliform *	Total Coliform *	Fecal Coliform *	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)
5-Jan-10	1081 Surfside Dr	0	0	0	0	7	6.8	n/a	90	0.1	190.9	0.01	0.009
12-Jan-10	962 Surfside Dr	0	1	0	0	7	6.1	n/a	80	0.1	174.2		
19-Jan-10	1081 Surfside Dr			0	0	7	6.7	n/a	87	0.1	187.4		
27-Jan-10	962 Surfside Dr			0	0	7	6.3	n/a	77	0.1	163.2		
	Average	0	0.5	0	0	7.0	6.5	#DIV/0!	83.5	0.1	178.9	0.01	0.009
	Maximum	0	1	0	0	7	6.8	0	90	0.1	190.9	0.01	0.009
	Minimum	0	0	0	0	7	6.1	0	77	0.1	163.2	0.01	0.009

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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9-Feb-10	1081 Surfside Dr	0	1	0	0	7	6.2	n/a	81	0.1	171.7	0.01	0.007
17-Feb-10	962 Surfside Dr	0	0	0	0	7	6.3	n/a	79	0.1	166.7		
22-Feb-10	1081 Surfside Dr			0	0	7	6.6	n/a	81	0.1	172.2		
								n/a					
	Average	0	0.5	0	0	7.0	6.4	#DIV/0!	80.3	0.1	170.2	0.01	0.007
	Maximum	0	1	0	0	7	6.6	0	81	0.1	172.2	0.01	0.007
	Minimum	0	0	0	0	7	6.2	0	79	0.1	166.7	0.01	0.007

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3-Mar-10	962 Surfside			0	0	8	6.2	n/a	78	0.1	166.5	0.01	0.006
8-Mar-10	1081 Surfside			0	0	8	6.5	n/a	77	0.1	164.7		
17-Mar-10	962 Surfside	0	1	0	0	8	6.4	n/a	74	0.1	156.4		
24-Mar-10	1081 Surfside	0	0	0	0	8	6.5	n/a	83	0.1	166.2		
29-Mar-10	962 Surfside			0	0	9	6.3	n/a	73	0.1	155.3		
	Average	0	0.5	0	0	8.2	6.4	#DIV/0!	77.0	0.1	161.8	0.01	0.006
	Maximum	0	1	0	0	9	6.5	0	83	0.1	166.5	0.01	0.006
	Minimum	0	0	0	0	8	6.2	0	73	0.1	155.3	0.01	0.006

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7-Apr-10	1081 Surfside	0	0	0	0		6.7	n/a	78	0.1	163.8	0.01	0.028
12-Apr-10	962 Surfside	0	0	0	0	9	6.5	n/a	72	0.1	151.8		
19-Apr-10	1081 Surfside			0	0	10	6.5	n/a	79	0.1	164.4		
26-Apr-10	962 Surfside			0	0	11	6.7	n/a	73	0.1	155.1		
	Average	0	0	0	0	10.0	6.6	#DIV/0!	75.5	0.1	158.8	0.01	0.028
	Maximum	0	0	0	0	11	6.7	0	79	0.1	164.4	0.01	0.028
	Minimum	0	0	0	0	9	6.5	0	72	0.1	151.8	0.01	0.028

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3-May-10	1081 Surfside	0	0	0	0	11	6.2	n/a	75	0.1	160	0.01	0
12-May-10	962 Surfside	0	1	0	0	12	6.3	n/a	70	0.1	148.2		
17-May-10	1081 Surfside			0	0	14	6.3	n/a	74	0.1	157		
25-May-10	962 Surfside			0	2	n/a	6.6	n/a	70	0.1	148.8		
27-May-10	962 Surfside			0	0								
	Average	0	0.5	0	0.4	12.3	6.4	#DIV/0!	72.3	0.1	153.5	0.01	0
	Maximum	0	1	0	2	14	6.6	0	75	0.1	160	0.01	0
	Minimum	0	0	0	0	11	6.2	0	70	0.1	148.2	0.01	0

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9-Jun-10	1081 Surfside	0	4	0	0		6.6	n/a	74	0.1	155	0.01	0.003
15-Jun-10	962 Surfside	0	2	0	1		6.9	n/a	69	0.1	146.5		
17-Jun-10	962 Surfside			0	0			n/a					
21-Jun-10	923 McFeely			0	0		6.8	n/a	69	0.1	146.4		
29-Jun-10	1081 Surfside			0	0		6.7	n/a	75	0.01	158.1		
	Average	0	3	0	0.2	#DIV/0!	6.8	#DIV/0!	71.8	0.1	151.5	0.01	0.003
	Maximum	0	4	0	1	0	6.9	0	75	0.1	158.1	0.01	0.003
	Minimum	0	2	0	0	0	6.6	0	69	0.01	146.4	0.01	0.003

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6-Jul-10	962 Surfside	0	0	0	0		6.5	n/a	76	0.1	160	0.01	0.005
12-Jul-10	1081 Surfside	T	T	0	0		6.8	n/a	77	0.1	161		
21-Jul-10	962 Surfside			0	1		6.7	n/a	90	0.1	190		
26-Jul-10	923 McFeely			0	1	18	6.6	n/a	101	0.1	211		
27-Jul-10	923 McFeely			0	0								
	Average	0	0	0	0.4	18.0	6.7	#DIV/0!	86.0	0.1	180.5	0.01	0.005
	Maximum	0	0	0	1	18	6.8	0	101	0.1	211	0.01	0.005
	Minimum	0	0	0	0	18	6.5	0	76	0.1	160	0.01	0.005

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T-Transport time was too long to laboratory.

Aesthetic Objective for Iron is •0.3 mg/L

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4-Aug-10	1081 Surfside	0	0	0	0		6.8	n/a	103	0.1	218	0.02	0.003
10-Aug-10	923 McFeely			0	0	19	6.8	n/a	113	0.1	238		
16-Aug-10	962 Surfside	T	T	0	0		6.7	n/a	134	0.1	282		
23-Aug-10	1081 Surfside			0	0	17.5	6.8	n/a	136	0.1	286		
31-Aug-10	962 Surfside			0	0	15	6.8	n/a	125	0.1	263		
	Average	0	0	0	0	17.2	6.8	#DIV/0!	122.2	0.1	257.4	0.02	0.003
	Maximum	0	0	0	0	19	6.8	0	136	0.1	286	0.02	0.003
	Minimum	0	0	0	0	15	6.7	0	103	0.1	218	0.02	0.003

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8-Sep-10	1081 Surfside	0	0	0	0	16	6.4	n/a	142	0.1	297	0.02	0.01
15-Sep-10	923 McFeely			0	0	17	6.6	n/a	158	0.2	338		
21-Sep-10	962 Surfside	0	0	0	0	14	6.6	n/a	132	0.1	277		
28-Sep-10	923 McFeely			0	0		6.8	n/a	130	0.1	274		
	Average	0	0	0	0	15.7	6.6	#DIV/0!	140.5	0.1	296.5	0.02	0.01
	Maximum	0	0	0	0	17	6.8	0	158	0.2	338	0.02	0.01
	Minimum	0	0	0	0	14	6.4	0	130	0.1	274	0.02	0.01

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5-Oct-10	1081 Surfside Dr			0	0		6.3	n/a	112	0.1	236	0.01	0.010
13-Oct-10	1081 Surfside Dr	0	0	0	0	14	6.6	n/a	120	0.1	254		
19-Oct-10	962 Surfside			0	0		6.8	n/a	111	0.1	232		
25-Oct-10	923 McFeely			0	0		6.7	n/a	102	0.1	215		
	Average	0	0	0	0	14.0	6.6	#DIV/0!	111.3	0.1	234.3	0.01	0.01
	Maximum	0	0	0	0	14	6.8	0	120	0.1	254	0.01	0.01
	Minimum	0	0	0	0	14	6.3	0	102	0.1	215	0.01	0.01

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1-Nov-10	962 Surfside			0	0	12	6.8	n/a	94	0	198	0.01	0.009
8-Nov-10	1081 Surfside	0	0	0	0	11	7	n/a	99	0.1	216		
16-Nov-10	962 Surfside			0	2	10	7	n/a	85	0.1	178.2		
16-Nov-10	1081 Surfside	0	92	0	O/G / 2	10	7	n/a	85	0.1	178.2		
23-Nov-10	962 Surfside	A	A	0	1	8	6.9	n/a	88	0.1	192.4		
30-Nov-10	962 Surfside	0	3	0	0	7	7	n/a	84	0.1	176.9		
	Average	0	46	0	0.6	9.7	7.0	#DIV/0!	89.2	0.1	190.0	0.01	0.009
	Maximum	0	92	0	2	12	7	0	99	0.1	216	0.01	0.009
	Minimum	0	0	0	0	7	6.8	0	84	0	176.9	0.01	0.009

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7-Dec-10	962 Surfside	0	1	0	13	7	6.5	n/a	85	0.1	181.3	0.02	0.019
14-Dec-10	1081 Surfside	0	0	0	0		6.5	0.28	88	0.1	184.4		
20-Dec-10	962 Surfside			0	0		6.8	0.59	83	0.1	177		
20-Dec-10	1081 Surfside			0	0			0.32					
29-Dec-10	962 Surfside			0	2		7	0	75	0.1	159		
30-Dec-10	962 Surfside			0	0								
30-Dec-10	1081 Surfside			0	1								
	Average	0	0.5	0	2.28571	7.0	6.7	0.30	82.8	0.1	175.4	0.02	0.019
	Maximum	0	1	0	13	7	7	0.59	88	0.1	184.4	0.02	0.019
	Minimum	0	0	0	0	7	6.5	0	75	0.1	159	0.02	0.019

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