



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2013 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-13	923 McFeely	0	0	0	0	7	6.36	0.01	96.9	0.10	203.8	0.08	0.000
10-Dec-13	1105 Surfside	0	0	0	0	8	6.42	0.27	84.9	0.08	179.0		
16-Dec-13	962 Surfside	0	0	0	0	7	7.11	0.36	76.5	0.08	161.5		
30-Dec-13	923 McFeely			0	0	8	6.36	0.15	80.3	0.08	169.1		
	Average	0	0	0	0	7.5	6.6	0.20	84.7	0.1	178.4	0.08	0.000
	Maximum	0	0	0	0	8	7.11	0.36	96.9	0.1	203.8	0.08	0.000
	Minimum	0	0	0	0	7	6.36	0.01	76.5	0.08	161.5	0.08	0.000

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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6-Nov-13	962 Surfside	0	0	0	0	12	6.59	0.30	83.6	0.08	176.1		
12-Nov-13	923 McFeely	0	0	0	0	10	6.85	0.18	95.1	0.09	200.1	0.07	0.025
20-Nov-13	1105 Surfside	0	0	0	0	9	6.88	0.14	93.3	0.09	195.1		
25-Nov-13	962 Surfside			0	0	8	6.42	0.42	75.5	0.08	159.2		
	Average	0	0	0	0	9.8	6.7	0.26	86.9	0.1	182.6	0.07	0.025
	Maximum	0	0	0	0	12	6.88	0.42	95.1	0.09	200.1	0.07	0.025
	Minimum	0	0	0	0	8	6.42	0.14	75.5	0.08	159.2	0.07	0.025

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2-Oct-13	923 McFeely	0	0	0	0	15	6.38	0.22	113.8	0.11	237.0	0.04	0.000
9-Oct-13	962 Surfside	0	0	0	0	13	7.06	0.22	92.0	0.09	193.5		
15-Oct-13	1105 Surfside	0	0	0	0	13	6.56	0.23	94.8	0.09	199.6		
22-Oct-13	923 McFeely			0	0	13	6.54	0.08	103.2	0.10	216.4		
28-Oct-13	1105 Surfside			0	0	13	7.32	0.22	88.8	0.09	186.8		
	Average	0	0	0	0	13.4	6.8	0.19	98.5	0.1	206.7	0.04	0
	Maximum	0	0	0	0	15	7.32	0.23	113.8	0.11	237	0.04	0
	Minimum	0	0	0	0	13	6.38	0.08	88.8	0.09	186.8	0.04	0

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4-Sep-13	923 McFeely	0	0	0	0	17	6.39	0.32	131.4	0.13	275.0	0.03	0.027
9-Sep-13	1105 Surfside	0	0	0	0	17	6.57	0.24	130.9	0.13	274.0		
16-Sep-13	962 Surfside	0	0	0	0	16	6.51	0.29	119.7	0.12	251.0		
24-Sep-13	1105 Surfside			0	0	17	6.94	0.28	135.4	0.13	283.0		
Average		0	0	0	0	16.8	6.6	0.28	129.4	0.1	270.8	0.03	0.027
Maximum		0	0	0	0	17	6.94	0.32	135.4	0.13	283	0.03	0.027
Minimum		0	0	0	0	16	6.39	0.24	119.7	0.12	251	0.03	0.027

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6-Aug-13	962 Surfside	0	0	0	0	14	6.51	0.40	107.7	0.11	226.0	0.02	0.012
12-Aug-13	923 McFeely	0	0	0	0	18	6.60	0.37	119.6	0.01	227.0		
20-Aug-13	1105 surfside	0	0	0	0	14	6.44	0.40	156.3	0.15	326.0		
27-Aug-13	962 Surfside			0	0	13	6.27	0.40	150.4	0.15	313.0		
	Average	0	0	0	0	14.8	6.5	0.39	133.5	0.1	273.0	0.02	0.012
	Maximum	0	0	0	0	18	6.6	0.4	156.3	0.15	326	0.02	0.012
	Minimum	0	0	0	0	13	6.27	0.37	107.7	0.012	226	0.02	0.012

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2-Jul-13	962 Surfside	0	0	0	0	13	6.89	0.32	73.9	0.07	155.8	0.02	0.015
8-Jul-13	1105 Surfside	0	0	0	0	16	6.46	0.28	76.7	0.08	161.7		
17-Jul-13	923 McFeely	0	0	0	0	18	6.41	0.29	75.5	0.07	160.9		
22-Jul-13	1105 Surfside			0	0	14	6.38	0.34	88.2	0.09	185.9		
	Average	0	0	0	0	15.3	6.5	0.31	78.6	0.1	166.1	0.02	0.015
	Maximum	0	0	0	0	18	6.89	0.34	88.2	0.09	185.9	0.02	0.015
	Minimum	0	0	0	0	13	6.38	0.28	73.9	0.07	155.8	0.02	0.015

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3-Jun-13	923 McFeely	0	0	0	0	15	6.66	0.05	69.8	0.07	146.7	0.08	0.014
10-Jun-13	962 Surfside	0	0	0	0	13	6.68	0.33	70.1	0.07	147.8		
19-Jun-13	1105 Surfside	0	0	0	0	16	6.83	0.24	74.4	0.07	157.0		
25-Jun-13	923 McFeely			0	0	16	6.66	0.30	70.8	0.07	149.6		
	Average	0	0	0	0	15.0	6.7	0.23	71.3	0.1	150.3	0.08	0.014
	Maximum	0	0	0	0	16	6.83	0.33	74.4	0.07	157	0.08	0.014
	Minimum	0	0	0	0	13	6.66	0.05	69.8	0.07	146.7	0.08	0.014

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8-May-13	1105 Surfside	0	0			12	6.71	0.30	72.7	0.07	152.1	0.03	0.009
14-May-13	923 McFeely	0	0			13	6.66	0.21	69.1	0.07	145.9		
21-May-13	962 Surfside	0	0			12	6.68	0.00	70.2	0.07	148.8		
27-May-13	1105 Surfside			0	0		6.64	0.30	69.6	0.07	147.1		
	Average	0	0	0	0	12.3	6.7	0.20	70.4	0.1	148.5	0.03	0.009
	Maximum	0	0	0	0	13	6.71	0.3	72.7	0.07	152.1	0.03	0.009
	Minimum	0	0	0	0	12	6.64	0	69.1	0.07	145.9	0.03	0.009

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3-Apr-13	962 Surfside	0	0	0	0	9	6.66	0.27	77.5	0.08	163.4	0.03	0.014
9-Apr-13	923 McFeely	0	0	0	0	8	7.20	0.16	73.1	0.07	154.3		
17-Apr-13	1105 Surfside	0	0	0	0	11	6.70	0.22	73.4	0.07	154.3		
22-Apr-13	962 Surfside			0	0	11	6.90	0.30	68.9	0.07	145.4		
	Average	0	0	0	0	9.8	6.9	0.24	73.2	0.1	154.4	0.03	0.014
	Maximum	0	0	0	0	11	7.2	0.3	77.5	0.08	163.4	0.03	0.014
	Minimum	0	0	0	0	8	6.66	0.16	68.9	0.07	145.4	0.03	0.014

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6-Mar-13	1105 Surfside	0	0	0	0	6	6.52	0.16	79.8	0.08	168.3	0.02	0.000
13-Mar-13	962 Surfside	0	0	0	0	7	6.58	0.26	70.1	0.07	147.9		
18-Mar-13	923 McFeely	0	0	0	0	8	7.06	0.17	73.3	0.07	154.9		
25-Mar-13	1105 Surfside			0	0	7	6.76	0.20	79.5	0.08	167.7		
	Average	0	0	0	0	7.0	6.7	0.20	75.7	0.1	159.7	0.02	0
	Maximum	0	0	0	0	8	7.06	0.26	79.8	0.08	168.3	0.02	0
	Minimum	0	0	0	0	6	6.52	0.16	70.1	0.07	147.9	0.02	0

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6-Feb-13	923 McFeely	0	0	0	0	6	6.60	0.11	77.6	0.08	163.4	0.01	0.000
12-Feb-13	1105 Surfside	0	0	0	0	6	6.70	0.13	81.3	0.08	171.9		
20-Feb-13	962 Surfside	0	0	0	0	7	6.63	0.19	74.8	0.07	168.1		
25-Feb-13	923 McFeely			0	0	7	6.78	0.13	74.1	0.07	156.5		
	Average	0	0	0	0	6.5	6.7	0.14	77.0	0.1	165.0	0.01	0.000
	Maximum	0	0	0	0	7	6.78	0.19	81.3	0.08	171.9	0.01	0.000
	Minimum	0	0	0	0	6	6.6	0.11	74.1	0.07	156.5	0.01	0.000

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8-Jan-13	962 Surfside	0	0	0	0	8		0.37				0.05	0.013
16-Jan-13	923 McFeely	0	0	0	0	5	6.45	0.13	80.6	0.08	170.2		
21-Jan-13	1105 Surfside	0	0	0	0	6	6.88	0.22	82.5	0.08	173.6		
28-Jan-13	962 Surfside			0	0	6	6.57	0.33	70.8	0.07	149.1		
	Average	0	0	0	0	6.3	6.6	0.26	78.0	0.1	164.3	0.05	0.013
	Maximum	0	0	0	0	8	6.88	0.37	82.5	0.08	173.6	0.05	0.013
	Minimum	0	0	0	0	5	6.45	0.13	70.8	0.07	149.1	0.05	0.013

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