



# Regional District of Nanaimo - Water Services Department

## Surfside Water Analysis - 2014 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-14	923 McFeely	0	0	0	0	9	6.89	0.20	116.2	0.12	245.0	0.01	0.000
9-Dec-14	962 Surfside	0	0	0	0	8	6.45	0.33	109.6	0.11	230.0		
15-Dec-14	1105 Surfside	0	0	0	0	9	6.57	0.19	114.3	0.11	240.0		
	<b>Average</b>	0	0	0	0	8.7	6.6	0.24	113.4	0.1	238.3	0.01	0
	<b>Maximum</b>	0	0	0	0	9	6.89	0.33	116.2	0.12	245	0.01	0
	<b>Minimum</b>	0	0	0	0	8	6.45	0.19	109.6	0.11	230	0.01	0

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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3-Nov-14	923 McFeely	T	T	0	0	12	6.38	0.11	186.1	0.19	386.0	0.07	0.006
18-Nov-14	962 Surfside	0	0	0	0	10	6.48	0.30	101.9	0.10	214.4		
24-Nov-14	1105 Surfside	0	0	0	0	9	6.63	0.20	111.5	0.11	234.0		
	<b>Average</b>	0	0	0	0	10.3	6.5	0.20	133.2	0.1	278.1	0.07	0.006
	<b>Maximum</b>	0	0	0	0	12	6.63	0.3	186.1	0.19	386	0.07	0.006
	<b>Minimum</b>	0	0	0	0	9	6.38	0.11	101.9	0.1	214.4	0.07	0.006

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T=Sample not tested. Too long in transit.

Aesthetic Objective for Iron is ≤0.3 mg/L

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7-Oct-14	1105 Surfside	0	0	0	0	17	6.43	0.16	172.9	0.17	360.0	0.04	0.001
14-Oct-14	923 McFeely	0	0	0	0	16	6.51	0.13	189.5	0.19	394.0		
20-Oct-14	962 Surfside	0	0	0	0	13	6.41	0.28	166.5	0.17	347.0		
27-Oct-14	1105 Surfside			0	0	13	6.39	0.08	210.0	0.21	435.0		
	<b>Average</b>	0	0	0	0	14.8	6.4	0.16	184.7	0.2	384.0	0.04	0.001
	<b>Maximum</b>	0	0	0	0	17	6.51	0.28	210	0.21	435	0.04	0.001
	<b>Minimum</b>	0	0	0	0	13	6.39	0.08	166.5	0.17	347	0.04	0.001

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3-Sep-14	923 McFeely	0	0	0	0	20	6.44	0.18	140.0	0.14	293.0	0.02	0.004
9-Sep-14	962 Surfside	0	0	0	0	16	6.56	0.30	120.4	0.12	253.0		
16-Sep-14	1105 Surfside	0	0	0	0	17	6.25	0.19	175.7	0.17	366.0		
23-Sep-14	923 McFeely			0	0	17	6.80	0.25	167.0	0.17	348.0		
29-Sep-14	962 Surfside			0	0	14	6.32	0.36	186.5	0.19	388.0		
	<b>Average</b>	0	0	0	0	16.8	6.5	0.26	157.9	0.2	329.6	0.02	0.004
	<b>Maximum</b>	0	0	0	0	20	6.8	0.36	186.5	0.19	388	0.02	0.004
	<b>Minimum</b>	0	0	0	0	14	6.25	0.18	120.4	0.12	253	0.02	0.004

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5-Aug-14	1105 Surfside	0	0	0	0	20	6.76	0.32	97.2	0.10	204.3	0.04	0.019
12-Aug-14	923 McFeely	0	0	0	0	18	6.53	0.36	106.4	0.11	223.0		
19-Aug-14	962 Surfside	0	0	0	0	15	6.75	0.35	119.9	0.12	251.0		
25-Aug-14	1105 Surfside			0	0	14	7.13	0.36	106.5	0.11	245.0		
	<b>Average</b>	0	0	0	0	16.8	6.8	0.35	107.5	0.1	230.8	0.04	0.019
	<b>Maximum</b>	0	0	0	0	20	7.13	0.36	119.9	0.12	251	0.04	0.019
	<b>Minimum</b>	0	0	0	0	14	6.53	0.32	97.2	0.1	204.3	0.04	0.019

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2-Jul-14	923 McFeely	0	0	0	0	18	6.33	0.44	79.1	0.08	166.9	0.04	0.004
7-Jul-14	962 Surfside	0	0	0	0	15	6.37	0.28	79.3	0.08	167.0		
15-Jul-14	1105 Surfside	0	0	0	0	14	6.41	0.46	91.4	0.09	192.0		
22-Jul-14	923 McFeely			0	0	18	6.53	0.40	92.6	0.09	194.6		
29-Jul-14	962 Surfside			0	0	15	6.49	0.33	105.7	0.11	222.0		
	<b>Average</b>	0	0	0	0	16.0	6.4	0.38	89.6	0.1	188.5	0.04	0.004
	<b>Maximum</b>	0	0	0	0	18	6.53	0.46	105.7	0.11	222	0.04	0.004
	<b>Minimum</b>	0	0	0	0	14	6.33	0.28	79.1	0.08	166.9	0.04	0.004

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4-Jun-14	1105 Surfside	0	0	0	0	14	6.56	0.31	72.6	0.07	150.9	0.03	0.002
9-Jun-14	923 McFeely	0	0	0	0	17	6.55	0.26	70.3	0.07	148.4		
16-Jun-14	962 Surfside	0	0	0	0	13	6.85	0.41	73.7	0.07	155.5		
24-Jun-14	1105 Surfside			0	0	15	6.61	0.33	76.3	0.08	161.1		
	<b>Average</b>	0	0	0	0	14.8	6.6	0.33	73.2	0.1	154.0	0.03	0.002
	<b>Maximum</b>	0	0	0	0	17	6.85	0.41	76.3	0.08	161.1	0.03	0.002
	<b>Minimum</b>	0	0	0	0	13	6.55	0.26	70.3	0.07	148.4	0.03	0.002

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6-May-14	962 Surfside	0	0	0	0	10	6.46	0.32	70.7	0.07	149.4	0.02	0.008
13-May-14	1105 Surfside	0	0	0	0	13	6.67	0.22	78.7	0.08	166.2		
21-May-14	923 McFeely	0	0	0	0	13	6.54	0.18	70.1	0.07	148.1		
26-May-14	962 Surfside			0	0	14	6.54	0.31	71.9	0.07	151.6		
	<b>Average</b>	0	0	0	0	12.5	6.6	0.26	72.9	0.1	153.8	0.02	0.008
	<b>Maximum</b>	0	0	0	0	14	6.67	0.32	78.7	0.08	166.2	0.02	0.008
	<b>Minimum</b>	0	0	0	0	10	6.46	0.18	70.1	0.07	148.1	0.02	0.008

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1-Apr-14	923 McFeely	0	0	0	0	9	6.69	0.13	69.2	0.07	146.0	0.02	0.011
9-Apr-14	1105 Surfside	0	0			8		0.15					
14-Apr-14	962 Surfside	0	0	0	0	10	6.52	0.22	71.2	0.07	150.2		
29-Apr-14	923 McFeely			0	0	9	6.43	0.12	69.6	0.07	146.7		
	<b>Average</b>	0	0	0	0	9.0	6.5	0.16	70.0	0.1	147.6	0.02	0.011
	<b>Maximum</b>	0	0	0	0	10	6.69	0.22	71.2	0.07	150.2	0.02	0.011
	<b>Minimum</b>	0	0	0	0	8	6.43	0.12	69.2	0.07	146	0.02	0.011

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4-Mar-14	962 Surfside	0	0	0	0	6	6.46	0.28	69.1	0.07	146.0	0.03	0.016
10-Mar-14	923 McFeely	0	0	0	0	7	6.75	0.09	68.9	0.07	145.6		
18-Mar-14	1105 Surfside	0	0	0	0	6	6.57	0.15	79.4	0.08	166.6		
24-Mar-14	962 Surfside			0	0	8	6.75	0.26	68.9	0.07	145.5		
	<b>Average</b>	0	0	0	0	6.8	6.6	0.20	71.6	0.1	150.9	0.03	0.016
	<b>Maximum</b>	0	0	0	0	8	6.75	0.28	79.41	0.08	166.6	0.03	0.016
	<b>Minimum</b>	0	0	0	0	6	6.46	0.09	68.9	0.07	145.5	0.03	0.016

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3-Feb-14	1105 Surfside	0	0	0	0	8	6.59	0.20	83.1	0.08	175.3	0.02	0.011
11-Feb-14	962 Surfside	0	0	0	0	8	6.60	0.25	73.4	0.07	155.2		
18-Feb-14	923 McFeely	0	0	0	0	8	6.47	0.25	72.5	0.07	152.9		
	<b>Average</b>	0	0	0	0	8.0	6.6	0.23	76.3	0.1	161.1	0.02	0.011
	<b>Maximum</b>	0	0	0	0	8	6.6	0.25	83.1	0.08	175.3	0.02	0.011
	<b>Minimum</b>	0	0	0	0	8	6.47	0.2	72.5	0.07	152.9	0.02	0.011

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6-Jan-14	923 McFeely	0	0	0	0	7	6.53	0.25	77.9	0.08	164.1	0.01	0.060
13-Jan-14	1105 Surfside	0	0	0	0	9	6.78	0.21	84.9	0.08	178.9		
20-Jan-14	962 Surfside	0	0	0	0	7	6.54	0.30	77.8	0.08	163.9		
29-Jan-14	923 McFeely			0	0	8	6.51	0.20	76.3	0.08	160.8		
	<b>Average</b>	0	0	0	0	7.8	6.6	0.24	79.2	0.1	166.9	0.01	0.06
	<b>Maximum</b>	0	0	0	0	9	6.78	0.3	84.9	0.08	178.9	0.01	0.06
	<b>Minimum</b>	0	0	0	0	7	6.51	0.2	76.3	0.08	160.8	0.01	0.06

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