



Regional District of Nanaimo - Water Services Department

Surfside Water Analysis - 2015 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)
1-Dec-15	923 McFeely	0	0	0	0	8	6.51	0.20	101.5	0.10	213.2	0.03	0.000
8-Dec-15	962 Surfside	0	0	0	0	9	6.64	0.32	93.6	0.09	196.7		
15-Dec-15	1105 Surfside	0	0	0	0	9	6.70	0.25	94.8	0.09	198.4		
	Average	0	0	0	0	8.7	6.6	0.26	96.6	0.1	202.8	0.03	0.000
	Maximum	0	0	0	0	9	6.7	0.32	101.5	0.1	213.2	0.03	0.000
	Minimum	0	0	0	0	8	6.51	0.2	93.6	0.09	196.7	0.03	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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2-Nov-15	1105 Surfside	0	0	0	0	13	6.66	0.37	124.4	0.12	259.0		
9-Nov-15	923 McFeely	0	0	0	0	14	6.60	0.43	112.4	0.11	236.0		
17-Nov-15	962 Surfside	0	0	0	0	10	6.62	0.55	98.3	0.10	205.9	0.02	0.021
24-Nov-15	1105 Surfside			0	0	10	6.66	0.39	107.2	0.11	224.0		
	Average	0	0	0	0	11.8	6.6	0.44	110.6	0.1	231.2	0.02	0.021
	Maximum	0	0	0	0	14	6.66	0.55	124.4	0.12	259	0.02	0.021
	Minimum	0	0	0	0	10	6.6	0.37	98.3	0.1	205.9	0.02	0.021

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6-Oct-15	962 Surfside	0	0	0	0	15	6.70	0.18	136.1	0.14	284.0		
13-Oct-15	1105 Surfside	0	0	0	0	15	6.77	0.19	122.1	0.12	255.0		
19-Oct-15	923 McFeely	0	0	0	0	14	6.62	0.01	125.7	0.13	262.0		
27-Oct-15	962 Surfside			0	0	13	6.64	0.42	106.9	0.11	224.0		
	Average	0	0	0	0	14.3	6.7	0.20	122.7	0.1	256.3	-	-
	Maximum	0	0	0	0	15	6.77	0.42	136.1	0.14	284	0	0
	Minimum	0	0	0	0	13	6.62	0.01	106.9	0.11	224	0	0

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1-Sep-15	1105 Surfside	0	0	0	0	19	6.58	0.27	148.4	0.15	309.0	0.04	0.026
8-Sep-15	923 McFeely	0	0	0	0	19	6.51	0.21	159.2	0.16	331.0		
15-Sep-15	962 Surfside	0	0	0	0	16	6.57	0.34	141.6	0.14	296.0		
21-Sep-15	1105 Surfside			0	0	16	6.58	0.29	141.5	0.14	295.0		
	Average	0	0	0	0	17.5	6.6	0.28	147.7	0.1	307.8	0.04	0.026
	Maximum	0	0	0	0	19	6.58	0.34	159.2	0.16	331	0.04	0.026
	Minimum	0	0	0	0	16	6.51	0.21	141.5	0.14	295	0.04	0.026

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4-Aug-15	962 Surfside	0	0	0	0	17	6.65	0.40	115.3	0.11	242.0	0.02	0.025
11-Aug-15	1105 Surfside	0	0	0	0	21	7.17	0.33	116.6	0.12	244.0		
18-Aug-15	923 McFeely	0	0	0	0	19	6.49	0.27	118.7	0.12	249.0		
25-Aug-15	962 Surfside			0	0	18	6.61	0.33	118.9	0.12	249.0		
	Average	0	0	0	0	18.8	6.7	0.33	117.4	0.1	246.0	0.02	0.025
	Maximum	0	0	0	0	21	7.17	0.4	118.9	0.12	249	0.02	0.025
	Minimum	0	0	0	0	17	6.49	0.27	115.3	0.11	242	0.02	0.025

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7-Jul-15	923 McFeely	0	0	0	0	20	6.70	0.30	88.4	0.09	186.1	0.05	0.000
14-Jul-15	962 Surfside	0	0	0	0	20	6.80	0.31	99.0	0.10	207.9		
21-Jul-15	1105 Surfside	0	0	0	0	19	6.62	0.31	106.4	0.11	223.0		
27-Jul-15	923 McFeely			0	0	19	6.62	0.35	98.3	0.10	206.6		
	Average	0	0	0	0	19.5	6.7	0.32	98.0	0.10	205.9	0.05	0.000
	Maximum	0	0	0	0	20	6.8	0.35	106.4	0.11	223	0.05	0.000
	Minimum	0	0	0	0	19	6.62	0.30	88.4	0.09	186.1	0.05	0.000

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2-Jun-15	1105 Surfside	0	0	0	0	17	6.65	0.47	78.8	0.08	166.4	0.02	0.015
9-Jun-15	923 McFeely	0	0	0	0	17	6.62	0.69	76.5	0.08	161.3		
16-Jun-15	962 Surfside	0	0	0	0	13	6.65	0.41	79.7	0.08	168.0		
23-Jun-15	1105 Surfside			0	0	18	6.67	0.36	85.0	0.08	178.7		
	Average	0	0	0	0	16.3	6.6	0.48	80.0	0.08	168.6	0.02	0.015
	Maximum	0	0	0	0	18	6.67	0.69	85	0.08	178.7	0.02	0.015
	Minimum	0	0	0	0	13	6.62	0.36	76.5	0.08	161.3	0.02	0.015

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5-May-15	962 Surfside	0	0	0	0	12	6.52	0.31	73.7	0.07	155.7	0.02	0.000
11-May-15	923 McFeely	0	0	0	0	14	6.63	0.10	75.3	0.07	158.3		
19-May-15	1105 Surfside	0	0	0	0	14	6.62	0.48	77.7	0.08	164.0		
26-May-15	962 Surfside			0	0	15	6.54	0.09	74.3	0.07	156.7		
	Average	0	0	0	0	13.8	6.6	0.25	75.3	0.07	158.7	0.02	0.000
	Maximum	0	0	0	0	15	6.63	0.48	77.7	0.08	164	0.02	0.000
	Minimum	0	0	0	0	12	6.52	0.09	73.7	0.07	155.7	0.02	0.000

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7-Apr-15	923 Mcfeely	0	0	0	0	12	6.72	0.34	75.5	0.07	158.7	0.05	0.000
14-Apr-15	962 Surfside	0	0	0	0	10	6.54	0.19	80.7	0.08	170.2		
21-Apr-15	1105 Surfside	0	0	0	0	9	6.63	0.20	75.0	0.07	158.0		
28-Apr-15	923 Mcfeely			0	0	11	6.74	0.10	76.3	0.08	160.6		
	Average	0	0	0	0	10.5	6.7	0.21	76.9	0.08	161.9	0.05	0.000
	Maximum	0	0	0	0	12	6.74	0.34	80.7	0.08	170.2	0.05	0.000
	Minimum	0	0	0	0	9	6.54	0.10	75.0	0.07	158	0.05	0.000

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4-Mar-15	962 Surfside	0	0	0	0	8	6.89	0.39	81.8	0.08	171.1	0.04	0.003
9-Mar-15	1105 Surfside	0	0	0	0	8	6.76	0.20	95.1	0.09	200.2		
16-Mar-15	923 McFeely	0	0	0	0	10	7.05	0.17	88.8	0.09	185.5		
24-Mar-15	962 Surfside			0	0	10	6.85	0.25	79.4	0.08	167.3		
	Average	0	0	0	0	9.0	6.9	0.25	86.3	0.09	181.0	0.04	0.003
	Maximum	0	0	0	0	10	7.05	0.39	95.1	0.09	200.2	0.04	0.003
	Minimum	0	0	0	0	8	6.76	0.17	79.4	0.08	167.3	0.04	0.003

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3-Feb-15	962 Surfside	0	0	0	0	7	6.53	0.32	83.0	0.08	174.9	0.02	0.003
10-Feb-15	1105 Surfside	0	0	0	0	8	6.68	0.18	98.2	0.10	206.7		
16-Feb-15	923 McFeely	0	0	0	0	8	6.46	0.18	100.7	0.10	211.0		
24-Feb-15	962 Surfside					8	6.69	0.40	82.2	0.08	173.0		
	Average	0	0	0	0	7.8	6.6	0.27	91.0	0.09	191.4	0.02	0.003
	Maximum	0	0	0	0	8	6.69	0.40	100.7	0.10	211.0	0.02	0.003
	Minimum	0	0	0	0	7	6.46	0.18	82.2	0.08	173.0	0.02	0.003

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7-Jan-15	923 McFeely	0	0	0	0	7	6.63	0.20	103.2	0.10	217.3	0.02	0.018
12-Jan-15	962 Surfside	0	0	0	0	7	6.46	0.34	82.1	0.08	173.4		
19-Jan-15	1105 Surfside	0	0	0	0	7	6.66	0.18	96.4	0.10	202.3		
27-Jan-15	923 McFeely			0	0	6	6.59	0.18	97.3	0.10	204.5		
	Average	0	0	0	0	6.8	6.6	0.23	94.8	0.10	199.4	0.02	0.018
	Maximum	0	0	0	0	7	6.66	0.34	103.2	0.10	217.3	0.02	0.018
	Minimum	0	0	0	0	6	6.46	0.18	82.1	0.08	173.4	0.02	0.018

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