



# Regional District of Nanaimo - Water Services Department

## Surfside Water Analysis - 2020 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)
4-May-20	1105 Surfside	0	0	0	0	11	6.72	0.74	78.8	0.08	166.2	0.06	0.020
13-May-20	923 McFeely	0	0	0	0	12	6.69	0.48	74.7	0.07	157.7		
	<b>Average</b>	0	0	0	0	11.5	6.7	0.61	76.8	0.08	162.0	0.06	0.020
	<b>Maximum</b>	0	0	0	0	12	6.72	0.74	78.8	0.08	166.2	0.06	0.020
	<b>Minimum</b>	0	0	0	0	11	6.69	0.48	74.7	0.07	157.7	0.06	0.020

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-Apr-20	1105 Surfside	0	0	0	0	8	6.77	0.28	90.1	0.09	186.4	0.04	0.021
14-Apr-20	923 McFeely	0	0	0	0	9	6.65	0.31	73.4	0.07	155.1		
20-Apr-20	962 Surfside	0	0	0	0	11	6.69	0.41	73.7	0.07	135.4		
27-Apr-20	1105 Surfside			0	0	11	6.68	0.50	81.3	0.08	171.4		
	Average	0	0	0	0	9.8	6.7	0.38	79.6	0.08	162.1	0.04	0.021
	Maximum	0	0	0	0	11	6.77	0.5	90.1	0.09	186.4	0.04	0.021
	Minimum	0	0	0	0	8	6.65	0.28	73.4	0.07	135.4	0.04	0.021

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2-Mar-20	1105 Surfside	0	0	0	0	7	6.74	0.25	89.3	0.09	188.1	0.03	0.027
9-Mar-20	923 McFeely	0	0	0	0	8	6.72	0.30	71.5	0.07	151.1		
16-Mar-20	962 Surfside	0	0	0	0	7	6.71	0.42	73.2	0.07	154.0		
23-Mar-20	1105 Surfside			0	0	7	6.79	0.32	76.9	0.08	162.7		
30-Mar-20	962 Surfside			0	0	8	6.55	0.37	74.9	0.07	157.9		
	Average	0	0	0	0	7.4	6.7	0.33	77.2	0.08	162.8	0.03	0.027
	Maximum	0	0	0	0	8	6.79	0.42	89.3	0.09	188.1	0.03	0.027
	Minimum	0	0	0	0	7	6.55	0.25	71.5	0.07	151.1	0.03	0.027

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3-Feb-20	1105 Surfside	0	0	0	0	6	6.68	0.37	89.8	0.09	188.7	0.05	0.016
10-Feb-20	923 McFeely			0	0	6	6.61	0.86	39.7	0.04	84.2		
18-Feb-20	962 Surfside	0	0	0	0	7	6.94	0.44	76.7	0.08	161.3		
24-Feb-20	923 McFeely	0	0	0	0	6	6.71	0.40	71.7	0.07	151.7		
	Average	0	0	0	0	6.3	6.7	0.52	69.5	0.07	146.5	0.05	0.016
	Maximum	0	0	0	0	7	6.94	0.86	89.8	0.09	188.7	0.05	0.016
	Minimum	0	0	0	0	6	6.61	0.37	39.7	0.04	84.2	0.05	0.016

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6-Jan-20	1105 Surfside	0	0	0	0	8	6.71	0.36	89.5	0.09	188.9	0.03	0.036
13-Jan-20	923 McFeely	0	0	0	0	6	6.53	0.41	78.1	0.08	164.7		
20-Jan-20	962 Surfside	0	0	0	0	8	6.70	0.42	80.9	0.09	171.2		
27-Jan-20	1105 Surfside			0	0	7	6.61	0.38	87.7	0.09	184.6		
	Average	0	0	0	0	7.3	6.6	0.39	84.1	0.09	177.4	0.03	0.036
	Maximum	0	0	0	0	8	6.71	0.42	89.5	0.09	188.9	0.03	0.036
	Minimum	0	0	0	0	6	6.53	0.36	78.1	0.08	164.7	0.03	0.036

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