



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2019 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)
2-Dec-19	1969 Kaye	0	0	0	0	8	7.19	0.60	266.0	0.27	548.0	0.01	0.019
9-Dec-19	2235 Rascal	0	0	0	0	8	7.28	0.56	267.0	0.27	548.0		
16-Dec-19	1969 Kaye			0	0	9	7.30	0.66	271.0	0.27	541.0		
	Average	0	0	0	0	8.3	7.3	0.61	268.0	0.27	545.7	0.01	0.019
	Maximum	0	0	0	0	9	7.3	0.66	271.0	0.27	548.0	0.01	0.019
	Minimum	0	0	0	0	8	7.19	0.56	266.0	0.27	541.0	0.01	0.019

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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4-Nov-19	1969 Kaye Rd	0	0	0	0	10	7.54	0.47	269.0	0.27	555.0	0.04	0.021
12-Nov-19	1969 Kaye Rd	0	0	0	0	10	6.89	0.55	274.0	0.27	564.0		
18-Nov-19	2235 Rascal	0	0	0	0	10	7.38	0.54	270.0	0.27	558.0		
25-Nov-19	1969 Kaye Rd			0	0	9	7.48	0.65	266.0	0.27	550.0		
	Average	0	0	0	0	9.8	7.3	0.55	269.8	0.27	556.8	0.04	0.021
	Maximum	0	0	0	0	10	7.54	0.65	274.0	0.27	564.0	0.04	0.021
	Minimum	0	0	0	0	9	6.89	0.47	266.0	0.27	550.0	0.04	0.021

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1-Oct-19	2235 Rascal	0	0	0	0	14	7.61	0.57	273.0	0.27	562.0	0.01	0.025
7-Oct-19	1969 Kaye	0	0	0	0	13	7.34	0.44	275.0	0.27	566.0		
15-Oct-19	2235 Rascal			0	0	12	7.35	0.59	269.0	0.27	556.0		
21-Oct-19	2235 Rascal			0	0	12	7.48	0.54	272.0	0.27	560.0		
28-Oct-19	1969 Kaye			0	0	11	7.68	0.56	271.0	0.27	558.0		
	Average	0	0	0	0	12.4	7.5	0.54	272.0	0.27	560.4	0.01	0.025
	Maximum	0	0	0	0	14	7.68	0.59	275.0	0.27	566.0	0.01	0.025
	Minimum	0	0	0	0	11	7.34	0.44	269.0	0.27	556.0	0.01	0.025

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3-Sep-19	1969 Kaye	0	0	0	0	13	7.84	0.56	273.0	0.27	564.0	0.01	0.059
9-Sep-19	2235 Rascal	0	0	0	0	14	7.99	0.58	274.0	0.27	565.0		
18-Sep-19	1969 Kaye			0	0	15	7.85	0.46	275.0	0.27	565.0		
25-Sep-19	2235 Rascal			0	0	15	7.48	0.48	278.0	0.28	571.0		
	Average	0	0	0	0	14.3	7.8	0.52	275.0	0.27	566.3	0.01	0.059
	Maximum	0	0	0	0	15	7.99	0.58	278.0	0.28	571.0	0.01	0.059
	Minimum	0	0	0	0	13	7.48	0.46	273.0	0.27	564.0	0.01	0.059

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6-Aug-19	1969 Kaye	0	0	0	0	15	8.00	0.51	271.0	0.27	559.0	0.03	0.046
13-Aug-19	2235 Rascal			0	0	13	7.82	0.61	273.0	0.27	561.0		
19-Aug-19	1969 Kaye			0	0	15	7.82	0.50	277.0	0.28	570.0		
27-Aug-19	2235 Rascal	0	0	0	0	13	8.01	0.52	275.0	0.27	566.0		
	Average	0	0	0	0	14.0	7.9	0.54	274.0	0.27	564.0	0.03	0.046
	Maximum	0	0	0	0	15	8.01	0.61	277.0	0.28	570.0	0.03	0.046
	Minimum	0	0	0	0	13	7.82	0.5	271.0	0.27	559.0	0.03	0.046

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2-Jul-19	1969 Kaye	0	0	0	0	15	7.89	0.66	269.0	0.27	554.0	0.00	0.050
9-Jul-19	2235 Rascal	0	0	0	0	15	8.06	0.53	271.0	0.27	558.0		
19-Jul-19	1969 Kaye			0	0	17	8.07	0.59	272.0	0.27	560.0		
23-Jul-19	1969 Kaye			0	0	17	7.75	0.52	272.0	0.27	561.0		
30-Jul-19	2235 Rascal			0	0	13	7.79	0.55	270.0	0.27	557.0		
	Average	0	0	0	0	15.4	7.9	0.57	270.8	0.27	558.0	0.00	0.05
	Maximum	0	0	0	0	17	8.07	0.66	272.0	0.27	561.0	0.00	0.05
	Minimum	0	0	0	0	13	7.75	0.52	269.0	0.27	554.0	0.00	0.05

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5-Jun-19	1969 Kaye	0	0	0	0	13	7.96	0.83	267.0	0.27	551.0	0.02	0.039
10-Jun-19	2235 Rascal	0	0	0	0	13	8.07	0.99	268.0	0.27	553.0		
18-Jun-19	1969 Kaye			0	0	14	8.02	0.68	264.0	0.26	544.0		
26-Jun-19	1969 Kaye			0	0	13	7.98	0.67	267.0	0.27	551.0		
	Average	0	0	0	0	13.3	8.0	0.79	266.5	0.27	549.8	0.02	0.039
	Maximum	0	0	0	0	14	8.07	0.99	268.0	0.27	553.0	0.02	0.039
	Minimum	0	0	0	0	13	7.96	0.67	264.0	0.26	544.0	0.02	0.039

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6-May-19	1969 Kaye	0	0	0	0	8	7.61	0.75	263.0	0.26	543.0	0.02	0.019
13-May-19	1969 Kaye			0	0	8	8.15	0.80	266.0	0.27	549.0		
21-May-19	2235 Rascal	0	0	0	0	9	8.10	0.80	270.0	0.28	559.0		
27-May-19	1969 Kaye			0	0	11	8.00	0.81	263.0	0.26	544.0		
	Average	0	0	0	0	9.0	8.0	0.79	265.5	0.27	548.8	0.02	0.019
	Maximum	0	0	0	0	11	8.15	0.81	270.0	0.28	559.0	0.02	0.019
	Minimum	0	0	0	0	8	7.61	0.75	263.0	0.26	543.0	0.02	0.019

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1-Apr-19	1969 Kaye	0	0	0	0	8	7.87	0.51	261.0	0.26	537.0	0.03	0.000
8-Apr-19	2235 Rascal	0	0	0	0	8	7.88	0.66	263.0	0.26	542.0		
15-Apr-19	2235 Rascal			0	0	9	7.60	0.65	260.0	0.26	536.0		
24-Apr-19	1969 Kaye			0	0	7	7.56	0.58	259.0	0.25	533.0		
29-Apr-19	2235 Rascal			0	0	9	8.10	0.64	260.0	0.26	537.0		
	Average	0	0	0	0	8.2	7.8	0.61	260.6	0.26	537.0	0.03	0
	Maximum	0	0	0	0	9	8.1	0.66	263.0	0.26	542.0	0.03	0
	Minimum	0	0	0	0	7	7.56	0.51	259.0	0.25	533.0	0.03	0

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5-Mar-19	1969 Kaye	0	0	0	0	4	7.50	0.02	318.0	0.32	652.0	0.00	0.016
11-Mar-19	2235 Rascal	0	0	0	0		7.97	0.69	256.0	0.26	527.0		
19-Mar-19	1969 Kaye			0	0	7	7.54	0.70	577.0	0.26	530.0		
27-Mar-19	2235 Rascal			0	0	7	8.20	0.66	260.0	0.26	536.0		
	Average	0	0	0	0	6.0	7.8	0.52	352.8	0.28	561.3	0.00	0.016
	Maximum	0	0	0	0	7	8.2	0.70	577.0	0.32	652.0	0.00	0.016
	Minimum	0	0	0	0	4	7.5	0.02	256.0	0.26	527.0	0.00	0.016

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4-Feb-19	1969 Kaye	0	0	0	0	7	7.55	0.74	258.0	0.26	532.0		
11-Feb-19	2235 Rascal			0	0	7	7.60	0.80	255.0	0.25	526.0	0.01	0.042
19-Feb-19	2235 Rascal	0	0	0	0		8.01	0.74	259.0	0.26	535.0		
25-Feb-19	1969 Kaye			0	0	4	7.69	0.74	255.0	0.25	528.0		
	Average	0	0	0	0	6.0	7.7	0.76	256.8	0.26	530.3	0.01	0.042
	Maximum	0	0	0	0	7	8.01	0.8	259.0	0.26	535.0	0.01	0.042
	Minimum	0	0	0	0	4	7.55	0.74	255.0	0.25	526.0	0.01	0.042

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7-Jan-19	1969 Kaye	0	0	0	0	6	8.00	0.76	259.0	0.26	534.0	0.02	0.045
14-Jan-19	2235 Rascal	0	0	0	0	7	8.10	0.78	259.0	0.26	535.0		
21-Jan-19	1969 Kaye			0	0	6	7.96	0.72	259.0	0.26	535.0		
28-Jan-19	2235 Rascal			0	0	7	7.91	0.66	262.0	0.25	539.0		
	Average	0	0	0	0	6.5	8.0	0.73	259.8	0.26	535.8	0.02	0.045
	Maximum	0	0	0	0	7	8.1	0.78	262.0	0.26	539.0	0.02	0.045
	Minimum	0	0	0	0	6	7.91	0.66	259.0	0.25	534.0	0.02	0.045

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