



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2018 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-18	1969 Kaye	0	0	0	0	9	7.93	0.62	263.0	0.26	545.0	0.02	0.008
10-Dec-18	2235 Rascal	0	0	0	0	8	8.05	0.64	262.0	0.26	540.0		
17-Dec-18	1969 Kaye			0	0	7	8.12	0.66	259.0	0.26	535.0		
	Average	0	0	0	0	8.0	8.0	0.64	261.3	0.26	540.0	0.02	0.008
	Maximum	0	0	0	0	9	8.12	0.66	263.0	0.26	545.0	0.02	0.008
	Minimum	0	0	0	0	7	7.93	0.62	259.0	0.26	535.0	0.02	0.008

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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7-Nov-18	1969 Kaye	0	0	0	0	11	8.01	0.51	262.0	0.26	541.0	0.00	0.011
14-Nov-18	2235 Rascal	0	0	0	0	10	8.22	0.70	263.0	0.26	544.0		
19-Nov-18	1969 Kaye			0	0	9	8.07	0.66	263.0	0.26	543.0		
27-Nov-18	2235 Rascal			0	0	9	8.34	0.65	262.0	0.26	541.0		
	Average	0	0	0	0	9.8	8.2	0.63	262.5	0.26	542.3	0.00	0.011
	Maximum	0	0	0	0	11	8.34	0.70	263.0	0.26	544.0	0.00	0.011
	Minimum	0	0	0	0	9	8.01	0.51	262.0	0.26	541.0	0.00	0.011

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1-Oct-18	2235 Rascal			0	0		8.25	1.68	272.0	0.27	561.0	0.01	0.031
9-Oct-18	1969 Kaye	0	0	0	0	14	7.85	1.29	271.0	0.27	559.0		
15-Oct-18	2235 Rascal	0	0	0	0	12	8.19	0.62	266.0	0.26	549.0		
22-Oct-18	1969 Kaye			0	0	13	8.18	0.50	267.0	0.27	551.0		
30-Oct-18	2235 Rascal			0	0	11	8.29	0.54	266.0	0.26	548.0		
	Average	0	0	0	0	12.5	8.2	0.93	268.4	0.27	553.6	0.01	0.031
	Maximum	0	0	0	0	14	8.29	1.68	272.0	0.27	561.0	0.01	0.031
	Minimum	0	0	0	0	11	7.85	0.5	266.0	0.26	548.0	0.01	0.031

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5-Sep-18	2235 Rascal	0	0	0	0	14	7.93	0.34	272.0	0.27	562.0	0.01	0.057
10-Sep-18	1969 Kaye	0	0	0	0	15	8.06	0.45	270.0	0.27	556.0		
17-Sep-18	2235 Rascal			0	0	15	8.28	0.45	271.0	0.27	558.0		
24-Sep-18	1969 Kaye			0	0	14	8.29	0.44	272.0	0.27	561.0		
	Average	0	0	0	0	14.5	8.1	0.42	271.3	0.27	559.3	0.01	0.057
	Maximum	0	0	0	0	15	8.29	0.45	272.0	0.27	562.0	0.01	0.057
	Minimum	0	0	0	0	14	7.93	0.34	270.0	0.27	556.0	0.01	0.057

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7-Aug-18	2235 Rascal	0	0	0	0	16	7.85	0.52	272.0	0.27	559.0	0.02	0.042
13-Aug-18	1969 Kaye	0	0	0	0	15.5	7.70	0.69	267.0	0.27	548.0		
20-Aug-18	2235 Rascal			0	0	13	7.88	0.72	266.0	0.27	549.0		
29-Aug-18	1969 Kaye			0	0	15	7.92	0.60	271.0	0.27	560.0		
	Average	0	0	0	0	14.9	7.8	0.63	269.0	0.27	554.0	0.02	0.042
	Maximum	0	0	0	0	16	7.92	0.72	272.0	0.27	560.0	0.02	0.042
	Minimum	0	0	0	0	13	7.70	0.52	266.0	0.27	548.0	0.02	0.042

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3-Jul-18	1969 Kaye	0	0	0	0	14	7.90	0.70	261.0	0.26	538.0	0.00	0.044
9-Jul-18	2235 Rascal	0	0	0	0	15	7.89	0.65	263.0	0.26	543.0		
16-Jul-18	1969 Kaye			0	0	14	8.02	0.66	265.0	0.26	546.0		
24-Jul-18	2235 Rascal			0	0	14	7.78	0.54	267.0	0.27	552.0		
30-Jul-18	1969 Kaye			0	0	15	8.05	0.78	268.0	0.27	552.0		
	Average	0	0	0	0	14.4	7.9	0.67	264.8	0.26	546.2	0.00	0.044
	Maximum	0	0	0	0	15	8.05	0.78	268.0	0.27	552.0	0.00	0.044
	Minimum	0	0	0	0	14	7.78	0.54	261.0	0.26	538.0	0.00	0.044

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5-Jun-18	1969 Kaye	0	0	0	0	12	7.89	0.85	261.0	0.26	539.0		
11-Jun-18	2235 Rascal	0	0	0	0	12	8.04	0.79	261.0	0.26	538.0	0.00	0.015
18-Jun-18	1969 Kaye			0	0	15	7.72	0.80	264.0	0.26	544.0		
25-Jun-18	2235 Rascal			0	0	13	7.97	0.78	264.0	0.26	544.0		
	Average	0	0	0	0	13.0	7.9	0.81	262.5	0.26	541.3	0.00	0.015
	Maximum	0	0	0	0	15	8.04	0.85	264.0	0.26	544.0	0.00	0.015
	Minimum	0	0	0	0	12	7.72	0.78	261.0	0.26	538.0	0.00	0.015

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1-May-18	2235 Rascal	0	0	0	0	10	7.79	0.82	252.0	0.25	520.0		
7-May-18	1969 Kaye	0	0	0	0	10	7.84	0.81	253.0	0.25	523.0	0.03	0.025
14-May-18	2235 Rascal			0	0	11	8.04	0.96	258.0	0.26	533.0		
22-May-18	1969 Kaye			0	0	12	7.95	1.39	261.0	0.26	539.0		
29-May-18	2235 Rascal			0	0	13	7.87	0.83	261.0	0.26	539.0		
	Average	0	0	0	0	11.2	7.9	0.96	257.0	0.26	530.8	0.03	0.025
	Maximum	0	0	0	0	13	8.04	1.39	261.0	0.26	539.0	0.03	0.025
	Minimum	0	0	0	0	10	7.79	0.81	252.0	0.25	520.0	0.03	0.025

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4-Apr-18	1969 Kaye	0	0	0	0	5	7.42	0.69	254.0	0.25	525.0	0.00	0.004
9-Apr-18	2235 Rascal	0	0	0	0	8	7.65	0.71	254.0	0.25	525.0		
16-Apr-18	1969 Kaye			0	0	8	7.53	0.68	252.0	0.25	520.0		
25-Apr-18	2235 Rascal			0	0	9	7.76	0.81	252.0	0.25	520.0		
	Average	0	0	0	0	7.5	7.6	0.72	253.0	0.25	522.5	0.00	0.004
	Maximum	0	0	0	0	9	7.76	0.81	254.0	0.25	525.0	0.00	0.004
	Minimum	0	0	0	0	5	7.42	0.68	252.0	0.25	520.0	0.00	0.004

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5-Mar-18	1969 Kaye	0	0	0	0	6	7.82	0.55	251.0	0.25	519.0	0.00	0.006
12-Mar-18	2235 Rascal	0	0	0	0	6	7.74	0.53	249.0	0.25	515.0		
20-Mar-18	1969 Kaye			0	0	6	7.66	0.67	250.0	0.25	516.0		
27-Mar-18	2235 Rascal			0	0	6	7.82	0.79	252.0	0.25	520.0		
	Average	0	0	0	0	6.0	7.8	0.64	250.5	0.25	517.5	0.00	0.006
	Maximum	0	0	0	0	6	7.82	0.79	252.0	0.25	520.0	0.00	0.006
	Minimum	0	0	0	0	6	7.66	0.53	249.0	0.25	515.0	0.00	0.006

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5-Feb-18	1969 Kaye	0	0	0	0	6	7.81	0.66	254.0	0.25	524.0	0.00	0.000
14-Feb-18	2235 Rascal	0	0	0	0		7.65	0.66	253.0	0.25	523.0		
20-Feb-18	1969 Kaye			0	0	7	7.51	0.64	250.0	0.25	522.0		
26-Feb-18	2235 Rascal			0	0	6	7.77	1.09	252.0	0.25	520.0		
	Average	0	0	0	0	6.3	7.7	0.76	252.3	0.25	522.3	0.00	0.000
	Maximum	0	0	0	0	7	7.81	1.09	254.0	0.25	524.0	0.00	0.000
	Minimum	0	0	0	0	6	7.51	0.64	250.0	0.25	520.0	0.00	0.000

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2-Jan-18	2235 Rascal	0	0	0	0		7.86	0.74	253.0	0.25	523.0	0.01	0.018
8-Jan-17	1969 Kaye	0	0	0	0	7	7.85	0.78	253.0	0.25	523.0		
15-Jan-18	2235 Rascal			0	0	6	7.70	0.73	251.0	0.25	520.0		
22-Jan-18	1969 Kaye			0	0	7	6.64	0.71	250.0	0.25	518.0		
29-Jan-18	2235 Rascal			0	0	7	7.70	0.70	253.0	0.25	523.0		
	Average	0	0	0	0	6.8	7.6	0.73	252.0	0.25	521.4	0.01	0.018
	Maximum	0	0	0	0	7	7.86	0.78	253.0	0.25	523.0	0.01	0.018
	Minimum	0	0	0	0	6	6.64	0.7	250.0	0.25	518.0	0.01	0.018

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