



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2016 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)
7-Dec-16	1969 Kaye	0	0	0	0	8	7.74	0.33	244.0	0.24	505.0	0.00	0.027
13-Dec-16	2235 Rascal	0	0	0	0	4	7.43	0.52	244.0	0.24	505.0		
	Average	0	0	0	0	6.0	7.6	0.43	244.0	0.2	505.0	0.00	0.027
	Maximum	0	0	0	0	8	7.74	0.52	244	0.24	505	0.00	0.027
	Minimum	0	0	0	0	4	7.43	0.33	244	0.24	505	0.00	0.027

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-16	2235 Rascal	0	0	0	0	13	7.63	0.59	250.0	0.25	516.0	0.03	0.032
8-Nov-16	1969 Kaye Road	0	0	0	0	11	7.54	0.49	247.0	0.25	514.0		
14-Nov-16	2235 Rascal			0	0	11	7.61	0.59	250.0	0.25	516.0		
23-Nov-16	1969 Kaye Road			0	0	9	7.56	0.63	246.0	0.25	512.0		
30-Nov-16	2235 Rascal Lane			0	0		7.82	0.61	244.0	0.24	505.0		
	Average	0	0	0	0	11.0	7.6	0.58	247.4	0.2	512.6	0.03	0.032
	Maximum	0	0	0	0	13	7.82	0.63	250	0.25	516	0.03	0.032
	Minimum	0	0	0	0	9	7.54	0.49	244	0.24	505	0.03	0.032

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4-Oct-16	2235 Rascal	0	0	0	0	11	7.67	0.54	251.0	0.25	518.0	0.00	0.039
12-Oct-16	1969 Kaye	0	0	0	0	11	7.44	0.51	244.0	0.24	502.0		
19-Oct-16	2235 Rascal			0	0	10	7.49	0.63	251.0	0.25	517.0		
24-Oct-16	1969 Kaye			0	0	10	7.66	0.54	249.0	0.25	517.0		
	Average	0	0	0	0	10.5	7.6	0.56	248.8	0.2	513.5	0.00	0.039
	Maximum	0	0	0	0	11	7.67	0.63	251.0	0.25	518.0	0.00	0.039
	Minimum	0	0	0	0	10	7.44	0.51	244.0	0.24	502.0	0.00	0.039

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6-Sep-16	2235 Rascal	0	0	0	0	14	7.79	0.58	252.0	0.25	519.0	0.02	0.035
13-Sep-16	1969 Kaye	0	0	0	0	14	7.46	0.68	253.0	0.25	523.0		
20-Sep-16	2235 Rascal			0	0		7.62	0.64	253.0	0.25	525.0		
27-Sep-16	1969 Kaye			0	0	12	7.58	0.58	252.0	0.25	520.0		
	Average	0	0	0	0	13.3	7.6	0.62	252.5	0.3	521.8	0.02	0.035
	Maximum	0	0	0	0	14	7.79	0.68	253	0.25	525	0.02	0.035
	Minimum	0	0	0	0	12	7.46	0.58	252	0.25	519	0.02	0.035

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2-Aug-16	1969 Kaye	0	0	0	0	15.5	7.59	0.84	252.0	0.25	519.0	0.03	0.040
9-Aug-16	2235 Rascal	0	0	0	0	15	7.49	0.72	249.0	0.25	515.0		
17-Aug-16	1969 Kaye			0	0	16	7.38	0.71	250.0	0.25	513.0		
23-Aug-16	2235 Rascal			0	0	15	7.57	0.78	254.0	0.25	523.0		
29-Aug-16	1969 Kaye			0	0	16	7.65	0.74	256.0	0.25	531.0		
	Average	0	0	0	0	15.5	7.5	0.76	252.2	0.3	520.2	0.03	0.04
	Maximum	0	0	0	0	16	7.65	0.84	256	0.25	531	0.03	0.04
	Minimum	0	0	0	0	15	7.38	0.71	249	0.25	513	0.03	0.04

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5-Jul-16	1969 Kaye	0	0	0	0	14	7.56	0.77	245.0	0.24	506.0	0.02	0.019
12-Jul-16	2235 Rascal	0	0	0	0	13	7.59	0.77	247.0	0.25	511.0		
18-Jul-16	1969 Kaye			0	0		7.42	0.62	248.0	0.25	512.0		
26-Jul-16	2235 Rascal			0	0	15	7.55	0.77	247.0	0.25	511.0		
	Average	0	0	0	0	14.0	7.5	0.73	246.8	0.2	510.0	0.02	0.019
	Maximum	0	0	0	0	15	7.59	0.77	248	0.25	512	0.02	0.019
	Minimum	0	0	0	0	13	7.42	0.62	245	0.24	506	0.02	0.019

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7-Jun-16	1969 Kaye	0	0	0	0	13	7.51	0.73	245.0	0.25	507.0	0.02	0.019
14-Jun-16	2235 Rascal	0	0	0	0	13	7.59	0.78	242.0	0.24	502.0		
21-Jun-16	1969 Kaye			0	0	13	7.48	0.77	241.0	0.24	496.0		
27-Jun-16	2235 Rascal			0	0	13	7.53	0.79	245.0	0.24	507.0		
	Average	0	0	0	0	13.0	7.5	0.77	243.3	0.2	503.0	0.02	0.019
	Maximum	0	0	0	0	13	7.59	0.79	245	0.25	507	0.02	0.019
	Minimum	0	0	0	0	13	7.48	0.73	241	0.24	496	0.02	0.019

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4-May-16	2235 Rascal	0	0	0	0	11	7.66	0.64	242.0	0.24	500.0		
10-May-16	1969 Kaye	0	0	0	0	11	7.86	0.78	242.0	0.24	500.0	0.02	0.052
17-May-16	2235 Rascal			0	0	11	7.73	0.78	244.0	0.24	505.0		
25-May-16	1969 Kaye			0	0	13	7.53	0.86	242.0	0.24	500.0		
31-May-16	2235 Rascal			0	0	13	7.11	0.84	245.0	0.24	506.0		
	Average	0	0	0	0	11.8	7.6	0.78	243.0	0.2	502.2	0.02	0.052
	Maximum	0	0	0	0	13	7.86	0.86	245	0.24	506	0.02	0.052
	Minimum	0	0	0	0	11	7.11	0.64	242	0.24	500	0.02	0.052

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4-Apr-16	2235 Rascal	0	0	0	0	9	7.77	0.71	241.0	0.24	494.0	0.04	0.031
12-Apr-16	1969 Kaye	0	0	0	0	8	7.64	0.72	238.0	0.24	492.0		
20-Apr-16	2235 Rascal			0	0	9	7.75	0.64	239.0	0.24	495.0		
26-Apr-16	1969 Kaye					10	7.67	0.63	238.0	0.24	492.0		
	Average	0	0	0	0	9.0	7.7	0.68	239.0	0.2	493.3	0.04	0.031
	Maximum	0	0	0	0	10	7.77	0.72	241	0.24	495	0.04	0.031
	Minimum	0	0	0	0	8	7.64	0.63	238	0.24	492	0.04	0.031

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1-Mar-16	1969 Kaye	0	0	0	0	7	7.46	0.84	234.0	0.23	481.0	0.01	0.024
8-Mar-16	2235 Rascal	0	0	0	0	8	7.43	0.83	238.0	0.24	491.0		
15-Mar-16	1969 Kaye			0	0	8	7.76	0.78	237.0	0.24	491.0		
23-Mar-16	2235 Rascal			0	0	8	7.53	0.68	239.0	0.24	493.0		
29-Mar-16	1969 Kaye			0	0	8	7.72	0.73	240.0	0.24	496.0		
	Average	0	0	0	0	7.8	7.6	0.77	237.6	0.2	490.4	0.01	0.024
	Maximum	0	0	0	0	8	7.76	0.84	240	0.24	496	0.01	0.024
	Minimum	0	0	0	0	7	7.43	0.68	234	0.23	481	0.01	0.024

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2-Feb-16	1969 Kaye	0	0	0	0	6	7.68	0.70	234.0	0.23	485.0	0.01	0.001
9-Feb-16	2235 Rascal	0	0	0	0	7	7.61	0.74	240.0	0.24	496.0		
16-Feb-16	1969 Kaye			0	0	6	7.43	0.74	232.0	0.23	481.0		
24-Feb-16	2235 Rascal			0	0	7	7.45	0.83	234.0	0.23	488.0		
	Average	0	0	0	0	6.5	7.5	0.75	235.0	0.2	487.5	0.01	0.001
	Maximum	0	0	0	0	7	7.68	0.83	240	0.24	496	0.01	0.001
	Minimum	0	0	0	0	6	7.43	0.7	232	0.23	481	0.01	0.001

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4-Jan-16	1969 Kaye	0	0	0	0	n/a	7.25	0.63	232.0	0.23	480.0	0.01	0.026
12-Jan-16	2235 Rascal	0	0	0	0	7	7.91	0.56	235.0	0.23	486.0		
20-Jan-16	1969 Kaye			0	0	7	7.46	0.50	237.0	0.24	490.0		
26-Jan-16	2235 Rascal			0	0	8	7.52	0.65	238.0	0.24	491.0		
	Average	0	0	0	0	7.3	7.5	0.59	235.5	0.2	486.8	0.01	0.026
	Maximum	0	0	0	0	8	7.91	0.65	238	0.24	491	0.01	0.026
	Minimum	0	0	0	0	7	7.25	0.5	232	0.23	480	0.01	0.026

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