



# Regional District of Nanaimo - Water Services Department

## Englishman River Water Analysis - 2017 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-Dec-17	2235 Rascal	0	0	0	0	8	7.81	0.62	254.0	0.25	526.0	0.02	0.033
12-Dec-17	1969 Kaye	0	0	0	0	8	7.80	0.71	253.0	0.25	521.0		
	<b>Average</b>	0	0	0	0	8.0	7.8	0.67	253.5	0.25	523.5	0.02	0.033
	<b>Maximum</b>	0	0	0	0	8	7.81	0.71	254.0	0.25	526.0	0.02	0.033
	<b>Minimum</b>	0	0	0	0	8	7.80	0.62	253.0	0.25	521.0	0.02	0.033

**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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8-Nov-17	2235 Rascal	0	0	0	0	10	7.97	0.56	258.0	0.26	533.0	0.02	0.024
15-Nov-17	1969 Kaye		A*	0	0	9	7.79	0.49	257.0	0.26	531.0		
22-Nov-17	2235 Rascal			0	0	9	7.76	0.59	258.0	0.26	529.0		
27-Nov-17	1969 Kaye			0	0	9	7.81	0.52	256.0	0.26	530.0		
	<b>Average</b>	0	0	0	0	9.3	7.8	0.54	257.3	0.3	530.8	0.02	0.024
	<b>Maximum</b>	0	0	0	0	10	7.97	0.59	258.0	0.26	533.0	0.02	0.024
	<b>Minimum</b>	0	0	0	0	9	7.76	0.49	256.0	0.26	529.0	0.02	0.024

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A\*: Sample not tested; too long in transit



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3-Oct-17	1969 Kaye	0	0	0	0	14	7.39	0.46	269.0	0.27	554.0	0.02	0.039
11-Oct-17	2235 Rascal	0	0	0	0	13	7.73	0.59	256.0	0.25	529.0		
16-Oct-17	1969 Kaye			0	0	13	7.87	0.54	260.0	0.26	537.0		
24-Oct-17	2235 Rascal			0	0	12	7.87	0.49	258.0	0.26	530.0		
	<b>Average</b>	0	0	0	0	13.0	7.7	0.52	260.8	0.26	537.5	0.02	0.039
	<b>Maximum</b>	0	0	0	0	14	7.87	0.59	269.0	0.27	554.0	0.02	0.039
	<b>Minimum</b>	0	0	0	0	12	7.39	0.46	256.0	0.25	529.0	0.02	0.039

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6-Sep-17	1969 Kaye	0	0	0	0	16	7.38	0.68	197.6	0.20	410.0	0.01	0.059
11-Sep-17	2235 Rascal	0	0	0	0	15	7.74	0.66	262.0	0.26	541.0		
18-Sep-17	1969 Kaye			0	0	13.5	8.03	0.48	260.0	0.26	537.0		
25-Sep-17	2235 Rascal	0	0	0	0	14	7.86	0.79	264.0	0.26	544.0		
	<b>Average</b>	0	0	0	0	14.6	7.8	0.65	245.9	0.25	508.0	0.01	0.059
	<b>Maximum</b>	0	0	0	0	16	8.03	0.79	264	0.26	544.0	0.01	0.059
	<b>Minimum</b>	0	0	0	0	13.5	7.38	0.48	197.6	0.20	410.0	0.01	0.059

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1-Aug-17	2335 Rascal	0	0	0	0	15	7.50	0.68	260.0	0.26	536.0	0.01	0.031
8-Aug-17	1969 Kaye	0	0	0	0	15	8.19	0.63	259.0	0.26	535.0		
16-Aug-17	2235 Rascal			0	0	13	8.12	0.63	257.0	0.26	531.0		
22-Aug-17	1969 Kaye			0	0	15	7.86	0.68	261.0	0.26	539.0		
30-Aug-17	2235 Rascal			0	0	15	7.92	0.64	262.0	0.26	541.0		
	<b>Average</b>	0	0	0	0	14.6	7.9	0.65	259.8	0.26	536.4	0.01	0.031
	<b>Maximum</b>	0	0	0	0	15	8.19	0.68	262.0	0.26	541.0	0.01	0.031
	<b>Minimum</b>	0	0	0	0	13	7.50	0.63	257.0	0.26	531.0	0.01	0.031

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4-Jul-17	2235 Rascal	0	0	0	0		7.84	0.70	254.0	0.25	524.0	0.02	0.041
11-Jul-17	1969 Kaye	0	0	0	0	14	7.72	0.73	255.0	0.25	526.0		
17-Jul-17	2235 Rascal			0	0	14	7.81	0.81	254.0	0.25	523.0		
26-Jul-17	1969 Kaye			0	0	14	7.53	0.75	256.0	0.25	528.0		
	<b>Average</b>	0	0	0	0	14.0	7.7	0.75	254.8	0.25	525.3	0.02	0.041
	<b>Maximum</b>	0	0	0	0	14	7.84	0.81	256.0	0.25	528.0	0.02	0.041
	<b>Minimum</b>	0	0	0	0	14	7.53	0.70	254.0	0.25	523.0	0.02	0.041

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7-Jun-17	2235 Rascal	0	0			11	7.75	0.85	253.0	0.25	522.0	0.04	0.044
12-Jun-17	1969 Kaye	0	0				7.56	0.82	251.0	0.25	517.0		
19-Jun-17	2235 Rascal					11	7.93	0.70	253.0	0.25	522.0		
26-Jun-17	1969 Kaye					11	7.83	0.76	253.0	0.25	522.0		
	<b>Average</b>	0	0	#DIV/0!	#DIV/0!	11.0	7.8	0.78	252.5	0.25	520.8	0.04	0.044
	<b>Maximum</b>	0	0	0	0	11	7.93	0.85	253.0	0.25	522.0	0.04	0.044
	<b>Minimum</b>	0	0	0	0	11	7.56	0.70	251.0	0.25	517.0	0.04	0.044

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1-May-17	2235 Rascal	0	0			8	7.70	0.54	243.0	0.24	503.0		
8-May-17	1969 Kaye	0	0	0	0	9	8.02	0.67	241.0	0.24	500.0	0.01	0.001
15-May-17	2235 Rascal			0	0	9	8.02	0.79	241.0	0.24	499.0		
24-May-17	1969 Kaye					10	7.79	0.78	244.0	0.24	504.0		
	<b>Average</b>	0	0	0	0	9.0	7.9	0.70	242.3	0.24	501.5	0.01	0.001
	<b>Maximum</b>	0	0	0	0	10	8.02	0.79	244.0	0.24	504.0	0.01	0.001
	<b>Minimum</b>	0	0	0	0	8	7.70	0.54	241.0	0.24	499.0	0.01	0.001

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3-Apr-17	2235 Rascal	0	0			8	7.75	0.63	242.0	0.24	502.0	0.02	0.020
10-Apr-17	1969 Kaye	0	0			7	7.65	0.66	242.0	0.24	499.0		
19-Apr-17	2235 Rascal			0	0	8	7.70	0.61	245.0	0.24	506.0		
	<b>Average</b>	0	0	0	0	7.7	7.7	0.63	243.0	0.24	502.3	0.02	0.02
	<b>Maximum</b>	0	0	0	0	8	7.75	0.66	245.0	0.24	506.0	0.02	0.02
	<b>Minimum</b>	0	0	0	0	7	7.65	0.61	242.0	0.24	499.0	0.02	0.02

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7-Mar-17	2235 Rascal	0	0	0	0	6	7.47	0.63	240.0	0.24	497.0	0.00	0.041
15-Mar-17	1969 Kaye	0	0	0	0	4	7.54	0.64	244.0	0.24	504.0		
22-Mar-17	2235 Rascal			0	0	6	7.48	0.80	241.0	0.24	498.0		
28-Mar-17	1969 Kaye			0	0	6	7.72	0.69	242.0	0.24	500.0		
	<b>Average</b>	0	0	0	0	5.5	7.6	0.69	241.8	0.24	499.8	0.00	0.041
	<b>Maximum</b>	0	0	0	0	6	7.72	0.80	244.0	0.24	504.0	0.00	0.041
	<b>Minimum</b>	0	0	0	0	4	7.47	0.63	240.0	0.24	497.0	0.00	0.041

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8-Feb-17	2235 Rascal	0	0	0	0	5	7.48	0.55	244.0	0.24	505.0	0.01	0.094
14-Feb-17	1969 Kaye	0	0	0	0	4	7.69	0.59	241.0	0.24	498.0		
21-Feb-17	2235 Rascal			0	0	5	7.25	0.61	241.0	0.24	468.0		
27-Feb-17	1969 Kaye			0	0	5	7.28	0.69	236.0	0.24	486.0		
	<b>Average</b>	0	0	0	0	4.8	7.4	0.61	240.5	0.24	489.3	0.01	0.094
	<b>Maximum</b>	0	0	0	0	5	7.69	0.69	244.0	0.24	505.0	0.01	0.094
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3-Jan-17	1969 Kaye Road	0	0	0	0	5	7.62	0.55	240.0	0.24	495.0	0.03	0.108
17-Jan-17	2235 Rascal	0	0	0	0	2	7.71	0.51	239.0	0.24	494.0		
24-Jan-17	2235 Rascal			0	0	5	7.63	0.63	245.0	0.24	507.0		
31-Jan-17	1969 Kaye Road			0	0	5	7.61	0.64	242.0	0.24	495.0		
	<b>Average</b>	0	0	0	0	4.3	7.6	0.58	241.5	0.24	497.8	0.03	0.108
	<b>Maximum</b>	0	0	0	0	5	7.71	0.64	245.0	0.24	507.0	0.03	0.108
	<b>Minimum</b>	0	0	0	0	2	7.61	0.51	239.0	0.24	494.0	0.03	0.108

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