



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2011 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)
05-Jan-11	1969 Kaye	0	0	0	0		8.0	0.62	185	0.2	388	0.01	0.153
11-Jan-11	900 Stonefly CI			0	0		7.8	0.78	187	0.2	396		
18-Jan-11	2235 Rascal			0	0		7.2	0.78	184	0.2	387		
25-Jan-11	1969 Kaye					6	7.0	0.72	182	0.2	422		
	Average	0	0	0	0	6.0	7.5	0.73	184.5	0.2	398.3	0.01	0.153
	Maximum	0	0	0	0	6	8	0.78	187	0.2	422	0.01	0.153
	Minimum	0	0	0	0	6	7	0.62	182	0.2	387	0.01	0.153

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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01-Feb-11	1969 Kaye	0	0	0	0	6	8.0	0.71	186	0.2	391	0.01	0.03
08-Feb-11	900 Stone Fly			0	0	7	7.4	0.78	183	0.2	385		
14-Feb-11	2235 Rascal			0	0	7	7.9	0.73	188	0.2	396		
21-Feb-11	900 Stone Fly			0	0	7	7.6	0.87	187	0.2	398		
	Average	0	0	0	0	6.8	7.7	0.77	186.0	0.2	392.5	0.01	0.03
	Maximum	0	0	0	0	7	8	0.87	188	0.2	398	0.01	0.03
	Minimum	0	0	0	0	6	7.4	0.71	183	0.2	385	0.01	0.03

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01-Mar-11	1969 Kaye Rd	0	0	0	0	6	7.4	0.75	184	0.2	387	0.02	0.02
08-Mar-11	2235 Rascal			0	0	6	7.4	0.63	189	0.2	394		
15-Mar-11	900 Stonefly			0	0	7	7.7	0.67	189	0.2	402		
23-Mar-11	1969 Kaye Rd			0	0	8	7.6	0.54	190	0.2	397		
29-Mar-11	2235 Rascal			0	0	7	7.3	0.62	190	0.2	402		
	Average	0	0	0	0	6.8	7.5	0.64	188.4	0.2	396.4	0.02	0.02
	Maximum	0	0	0	0	8	7.7	0.75	190	0.2	402	0.02	0.02
	Minimum	0	0	0	0	6	7.3	0.54	184	0.2	387	0.02	0.02

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06-Apr-11	1969 Kaye	0	0	0	0	7	8.14	0.57	186.4	0.19	384	0.02	0.031
13-Apr-11	900 Stonefly			0	0	8	8.01	0.68	188.0	0.19	391		
19-Apr-11	2235 Rascal			0	0	8	8.23	0.52	187.1	0.19	389		
26-Apr-11	1969 Kaye			0	0	9	8.1	0.58	223.0	0.2	480		
	Average	0	0	0	0	8.0	8.1	0.59	196.1	0.2	411.0	0.02	0.031
	Maximum	0	0	0	0	9	8.23	0.68	223	0.2	480	0.02	0.031
	Minimum	0	0	0	0	7	8.01	0.52	186.4	0.19	384	0.02	0.031

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04-May-11	1969 Kaye	0	0	0	0	8	8.15	0.60	190.9	0.19	397	0.02	0.024
11-May-11	1969 Kaye	0	0	0	0	9	8.2	0.58	192	0.2	311		
17-May-11	2235 Rascal			0	0	11	8.1	0.64	193	0.2	326		
24-May-11	900 Stone Fly			0	0	10	8.1	0.43	189	0.2	336		
31-May-11	2235 Rascal			0	0	11	8.38	0.33	188.4	0.19	391		
	Average	0	0	0	0	9.8	8.2	0.52	190.7	0.2	352.2	0.02	0.024
	Maximum	0	0	0	0	11	8.38	0.64	193	0.2	397	0.02	0.024
	Minimum	0	0	0	0	8	8.1	0.33	188.4	0.19	311	0.02	0.024

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07-Jun-11	1969 Kaye Road	0	0	0	0	11	8	0.43	196	0.2	370	0.02	0.017
15-Jun-11	900 Stonefly			0	0	11	8.14	0.46	187.7	0.19	390		
22-Jun-11	2235 Rascal			0	0	12	8.19	0.63	192.4	0.19	399		
27-Jun-11	1969 Kaye Road			0	0	16	7.9	0.17	151	0.1	287		
	Average	0	0	0	0	12.5	8.1	0.42	181.8	0.2	361.5	0.02	0.017
	Maximum	0	0	0	0	16	8.19	0.63	196	0.2	399	0.02	0.017
	Minimum	0	0	0	0	11	7.9	0.17	151	0.1	287	0.02	0.017

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06-Jul-11	1969 Kaye Road	0	0	0	0	13	7.74	0.63	196.4	0.20	408		
12-Jul-11	900 Stonefly CI			0	0	11	7.8	0.87	197	0.20	398	0.04	0.051
19-Jul-11	2235 Rascal			0	0	13	7.76	0.84	194.8	0.19	404		
26-Jul-11	900 Stonefly CI			0	0		7.8	0.87	191.2	0.19	338		
	Average	0	0	0	0	12.3	7.8	0.80	194.9	0.2	387.0	0.04	0.051
	Maximum	0	0	0	0	13	7.8	0.87	197	0.2	408	0.04	0.051
	Minimum	0	0	0	0	11	7.74	0.63	191.2	0.19	338	0.04	0.051

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03-Aug-11	1969 Kaye	0	0	0	0		7.42	0.68	195.7	0.19	386	0.03	0.032
09-Aug-11	2235 Rascal			0	0	14	7.69	0.50	197.5	0.20	373		
17-Aug-11	900 Stonefly			0	0	14	7.74	0.47	199.2	0.20	371		
23-Aug-11	1969 Kaye			0	0	15	7.73	0.85	199.3	0.20	380		
31-Aug-11	2235 Rascal			0	0	14	7.34	0.57	200.2	0.20	418		
	Average	0	0	0	0	14.3	7.6	0.61	198.4	0.2	385.6	0.03	0.032
	Maximum	0	0	0	0	15	7.74	0.85	200.2	0.2	418	0.03	0.032
	Minimum	0	0	0	0	14	7.34	0.47	195.7	0.19	371	0.03	0.032

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07-Sep-11	1969 Kaye Rd	0	0	0	0	15	7.32	0.6	201	0.2	417	0.02	0.035
13-Sep-11	900 Stonefly			0	0	14	7.56	0.51	201	0.2	418		
19-Sep-11	2235 Rascal			0	0	14	7.2	0.43	195.9	0.19	316		
27-Sep-11	1969 Kaye Rd			0	0	15	7.65	0.55	198.4	0.2	412		
	Average	0	0	0	0	14.5	7.4	0.52	199.1	0.2	390.8	0.02	0.035
	Maximum	0	0	0	0	15	7.65	0.6	201	0.2	418	0.02	0.035
	Minimum	0	0	0	0	14	7.2	0.43	195.9	0.19	316	0.02	0.035

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04-Oct-11	1969 Kaye Road	0	0	0	0	13	7.68	0.61	199.2	0.20	413.0	0.02	0.036
12-Oct-11	900 Stonefly Close			0	0	11	7.40	0.79	196.8	0.20	409.0		
17-Oct-11	2235 Rascal			0	0	12	7.32	0.75	197.6	0.20	410.0		
24-Oct-11	900 Stonefly Close			0	0	12	7.30	0.80	227.0	0.23	472.0		
	Average	0	0	0	0	12.0	7.43	0.74	205.2	0.21	426.0	0.02	0.036
	Maximum	0	0	0	0	13	7.68	0.80	227.0	0.23	472.0	0.02	0.036
	Minimum	0	0	0	0	11	7.30	0.61	196.8	0.20	409.0	0.02	0.036

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01-Nov-11	1969 Kaye	0	0	0	0	10	7.78	0.66	199.0	0.20	413.0	0.03	0.060
08-Nov-11	900 Stonefly			0	0	10	7.06	0.80	195.1	0.19	410.0		
14-Nov-11	2235 Rascal			0	0	10	7.58	0.72	197.9	0.20	411.0		
21-Nov-11	1969 Kaye			0	0	8	7.14	0.78	195.7	0.19	406.0		
29-Nov-11	2235 Rascal			0	0	7	7.52	0.67	198.5	0.20	412.0		
	Average	0	0	0	0	9.0	7.4	0.73	197.2	0.2	410.4	0.03	0.06
	Maximum	0	0	0	0	10	7.78	0.8	199	0.2	413	0.03	0.06
	Minimum	0	0	0	0	7	7.06	0.66	195.1	0.19	406	0.03	0.06

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06-Dec-11	1969 Kaye Road	0	0	0	0	7	7.35	0.72	198.2	0.19	411.0	0.00	0.041
14-Dec-11	900 Stonefly			0	0	7	7.18	0.79	195.3	0.19	405.0		
20-Dec-11	2235 Rascal			0	0	8	7.35	0.62	194.8	0.19	334.0		
	Average	0	0	0	0	7.3	7.3	0.71	196.1	0.2	383.3	0.00	0.041
	Maximum	0	0	0	0	8	7.35	0.79	198.2	0.19	411	0	0.041
	Minimum	0	0	0	0	7	7.18	0.62	194.8	0.19	334	0	0.041

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