



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2013 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-13	2235 Rascal	0	0	0	0	7	7.12	0.89	225.0	0.22	462.0	0.02	0.007
10-Dec-13	1969 Kaye Road	0	0	0	0	7	7.13	0.91	223.0	0.22	461.0		
16-Dec-13	900 Stonefly			0	0	7	6.88	0.80	223.0	0.22	463.0		
30-Dec-13	2235 Rascal			0	0	9	7.20	0.33	221.0	0.22	458.0		
	Average	0	0	0	0	7.5	7.1	0.73	223.0	0.2	461.0	0.02	0.007
	Maximum	0	0	0	0	9	7.2	0.91	225	0.22	463	0.02	0.007
	Minimum	0	0	0	0	7	6.88	0.33	221	0.22	458	0.02	0.007

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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6-Nov-13	1969 Kaye	0	0	0	0	11	7.06	0.43	227.0	0.23	470.0		
12-Nov-13	2235 Rascal	0	0	0	0	9	7.22	0.58	223.0	0.22	463.0	0.04	0.028
20-Nov-13	900 Stonefly			0	0	9	6.76	1.02	225.0	0.22	466.0		
27-Nov-13	1969 Kaye			0	0	7	6.79	0.94	225.0	0.22	466.0		
	Average	0	0	0	0	9.0	7.0	0.74	225.0	0.2	466.3	0.04	0.028
	Maximum	0	0	0	0	11	7.22	1.02	227	0.23	470	0.04	0.028
	Minimum	0	0	0	0	7	6.76	0.43	223	0.22	463	0.04	0.028

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2-Oct-13	2235 Rascal	0	0	0	0	13	7.55	0.63	230.0	0.23	477.0	0.03	0.004
9-Oct-13	1969 Kaye	0	0	0	0	13	7.40	0.68	230.0	0.23	477.0		
15-Oct-13	900 Stonefly			0	0	11	7.15	0.77	232.0	0.23	480.0		
22-Oct-13	2235 Rascal			0	0	45	6.78	0.64	224.0	0.22	464.0		
28-Oct-13	1969 Kaye			0	0	12	6.91	0.53	222.0	0.23	474.0		
	Average	0	0	0	0	18.8	7.2	0.65	227.6	0.2	474.4	0.03	0.004
	Maximum	0	0	0	0	45	7.55	0.77	232	0.23	480	0.03	0.004
	Minimum	0	0	0	0	11	6.78	0.53	222	0.22	464	0.03	0.004

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4-Sep-13	1969 Kaye	0	0	0	0	17	7.21	0.74	231.0	0.23	428.0	0.06	0.023
9-Sep-13	2235 Rascal	0	0	0	0	15	7.37	0.32	229.0	0.23	473.0		
16-Sep-13	900 Stonefly			0	1	11	7.55	0.80	231.0	0.23	478.0		
17-Sep-13	900 Stonefly			0	0								
24-Sep-13	1969 Kaye			0	0	15	7.27	0.73	233.0	0.23	481.0		
	Average	0	0	0	0.2	14.5	7.4	0.65	231.0	0.2	465.0	0.06	0.023
	Maximum	0	0	0	1	17	7.55	0.8	233	0.23	481	0.06	0.023
	Minimum	0	0	0	0	11	7.21	0.32	229	0.23	428	0.06	0.023

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6-Aug-13	2235 Rascal	0	0	0	0	15	7.16	0.74	227.0	0.23	470.0	0.03	0.560
12-Aug-13	1969 Kaye Rd	0	0	0	0	17	6.90	0.67	228.0	0.23	473.0		
20-Aug-13	900 Stonefly			0	0	16	7.32	0.60	229.0	0.23	475.0		
28-Aug-13	2235 Rascal			0	0	16	6.83	0.83	227.0	0.23	471.0		
	Average	0	0	0	0	16.0	7.1	0.71	227.8	0.2	472.3	0.03	0.56
	Maximum	0	0	0	0	17	7.32	0.83	229	0.23	475	0.03	0.56
	Minimum	0	0	0	0	15	6.83	0.6	227	0.23	470	0.03	0.56

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2-Jul-13	1969 Kaye	0	0	0	0	15	7.39	0.59	222.0	0.22	460.0	0.04	0.230
9-Jul-13	2235 Rascal	0	0	0	0	14	6.99	0.68	243.0	0.24	507.0		
16-Jul-13	900 Stonefly			0	0	10	7.13	0.79	225.0	0.22	465.0		
23-Jul-13	1969 Kaye			0	0	17	7.04	0.65	226.0	0.22	468.0		
	Average	0	0	0	0	14.0	7.1	0.68	229.0	0.2	475.0	0.04	0.23
	Maximum	0	0	0	0	17	7.39	0.79	243	0.24	507	0.04	0.23
	Minimum	0	0	0	0	10	6.99	0.59	222	0.22	460	0.04	0.23

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3-Jun-13	2235 Rascal	0	0	0	0	13	7.11	0.74	219.0	0.22	453.0	0.02	0.044
11-Jun-13	1969 Kaye	0	0	0	0	14	7.22	0.54	216.0	0.21	448.0		
18-Jun-13	900 Stonefly			0	0	13	7.62	0.86	221.0	0.22	457.0		
25-Jun-13	2235 Rascal			0	0	13	7.99	0.62	231.0	0.23	478.0		
	Average	0	0	0	0	13.3	7.5	0.69	221.8	0.2	459.0	0.02	0.044
	Maximum	0	0	0	0	14	7.99	0.86	231	0.23	478	0.02	0.044
	Minimum	0	0	0	0	13	7.11	0.54	216	0.21	448	0.02	0.044

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7-May-13	1969 Kaye	0	0			10	7.41	0.63	219.0	0.22	453.0	0.06	0.009
15-May-13	2235 Rascal	0	0			10	7.83	0.70	220.0	0.22	459.0		
22-May-13	900 Stonefly					11	7.14	1.04	216.9	0.22	450.0		
28-May-13	1969 Kaye			0	0	12	7.46	0.91	220.0	0.22	456.0		
	Average	0	0	0	0	10.8	7.5	0.82	219.0	0.2	454.5	0.06	0.009
	Maximum	0	0	0	0	12	7.83	1.04	220	0.22	459	0.06	0.009
	Minimum	0	0	0	0	10	7.14	0.63	216.9	0.22	450	0.06	0.009

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3-Apr-13	2235 Rascal	0	0	0	0	9	7.40	0.71	211.1	0.21	438.0	0.06	0.036
10-Apr-13	1969 Kaye	0	0	0	0	8	7.16	0.77	210.0	0.21	435.0		
17-Apr-13	900 Stonefly			0	0	8	7.38	0.88	211.3	0.21	438.0		
23-Apr-13	2235 Rascal			0	0	8	7.78	0.80	216.0	0.22	448.0		
	Average	0	0	0	0	8.3	7.4	0.79	212.1	0.2	439.8	0.06	0.036
	Maximum	0	0	0	0	9	7.78	0.88	216	0.22	448	0.06	0.036
	Minimum	0	0	0	0	8	7.16	0.71	210	0.21	435	0.06	0.036

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5-Mar-13	1969 Kaye	0	0	0	0	5	7.14	0.64	210.7	0.21	437.0	0.01	0.006
12-Mar-13	2235 Rascal Lane	0	0	0	0	7	7.31	0.61	210.7	0.21	437.0		
20-Mar-13	900 Stonefly			0	0	7	7.12	0.68	210.7	0.21	437.0		
26-Mar-13	1969 Kaye			0	0	7	7.27	0.54	210.0	0.21	435.0		
	Average	0	0	0	0	6.5	7.2	0.62	210.5	0.2	436.5	0.01	0.006
	Maximum	0	0	0	0	7	7.31	0.68	210.7	0.21	437	0.01	0.006
	Minimum	0	0	0	0	5	7.12	0.54	210	0.21	435	0.01	0.006

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5-Feb-13	2235 Rascal	0	0	0	0	7	7.00	0.63	208.0	0.21	427.0	0.02	0.053
13-Feb-13	1969 Kaye	0	0	0	0	5	7.01	0.63	208.9	0.21	433.0		
20-Feb-13	900 Stonefly			0	0	6	7.26	0.70	208.1	0.21	432.0		
26-Feb-13	2235 Rascal			0	0	6	7.04	0.66	212.8	0.21	441.0		
	Average	0	0	0	0	6.0	7.1	0.66	209.5	0.2	433.3	0.02	0.053
	Maximum	0	0	0	0	7	7.26	0.7	212.8	0.21	441	0.02	0.053
	Minimum	0	0	0	0	5	7	0.63	208	0.21	427	0.02	0.053

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8-Jan-13	1969 Kaye	0	0	0	0	7		0.78				0.03	0.075
15-Jan-13	2235 Rascal Lane	0	0	0	0	7	7.04	0.77	209.0	0.21	434.0	0.02	0.048
23-Jan-13	900 Stonefly			0	0	6	7.38	0.73	209.7	0.21	435.0		
29-Jan-13	1969 Kaye			0	0	5	7.07	0.65	208.0	0.21	431.0		
	Average	0	0	0	0	6.3	7.2	0.73	208.9	0.2	433.3	0.03	0.0615
	Maximum	0	0	0	0	7	7.38	0.78	209.7	0.21	435	0.03	0.075
	Minimum	0	0	0	0	5	7.04	0.65	208	0.21	431	0.02	0.048

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