



# Regional District of Nanaimo - Water Services Department

## Englishman River Water Analysis - 2012 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-Jan-12	1969 Kaye Road	0	0	0	0	7	7.75	0.64	195.4	0.19	406.0	0.01	0.033
10-Jan-12	900 Stonefly Close			0	0	7	7.47	0.72	195.3	0.19	405.0		
17-Jan-12	1969 Kaye Road			0	0	6	7.04	0.71	191.0	0.19	422.0		
25-Jan-12	2235 Rascal			0	0	5	7.34	0.71	191.2	0.19	288.0		
31-Jan-12	900 Stonefly Close			0	0	6	7.01	0.76	193.4	0.19	402.0		
	<b>Average</b>	0	0	0	0	6.2	7.3	0.71	193.3	0.2	384.6	0.01	0.033
	<b>Maximum</b>	0	0	0	0	7	7.75	0.76	195.4	0.19	422	0.01	0.033
	<b>Minimum</b>	0	0	0	0	5	7.01	0.64	191	0.19	288	0.01	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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7-Feb-12	1969 Kaye Rd	0	0	0	0	5	7.00	0.69	194.3	0.19	403.0	0.02	0.031
15-Feb-12	900 Stonefly			0	0	7	7.26	0.76	194.7	0.19	404.0		
22-Feb-12	2235 Rascal Lane			0	0	6	7.07	0.73	193.4	0.19	402.0		
29-Feb-12	900 Stonefly			0	0	6	7.30	0.73	196.4	0.20	408.0		
	<b>Average</b>	0	0	0	0	6.0	7.2	0.73	194.7	0.2	404.3	0.02	0.031
	<b>Maximum</b>	0	0	0	0	7	7.3	0.76	196.4	0.2	408	0.02	0.031
	<b>Minimum</b>	0	0	0	0	5	7	0.69	193.4	0.19	402	0.02	0.031

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6-Mar-12	1969 Kaye Road	0	0	0	0	6	7.56	0.67	195.4	0.19	406.0	0.01	0.026
14-Mar-12	900 Stonefly			0	0	6	7.01	0.64	197.2	0.20	407.0		
21-Mar-12	2235 Rascal			0	0	7	7.47	0.51	196.5	0.20	337.0		
27-Mar-12	900 Stonefly			0	0	7	7.11	0.72	198.0	0.20	411.0		
	<b>Average</b>	0	0	0	0	6.5	7.3	0.64	196.8	0.20	390.3	0.01	0.026
	<b>Maximum</b>	0	0	0	0	7	7.56	0.72	198	0.20	411	0.01	0.026
	<b>Minimum</b>	0	0	0	0	6	7.01	0.51	195.4	0.19	337	0.01	0.026

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4-Apr-12	1969 Kaye	0	0	0	0		7.12	0.56	196.9	0.20	407.0	0.01	0.022
11-Apr-12	900 Stonefly			0	0	8	7.00	0.81	197.9	0.20	411.0		
18-Apr-12	1969 Kaye			0	0	7	7.05	0.75	198.3	0.20	412.0		
24-Apr-12	2235 Rascal			0	0	9	6.95	0.71	198.0	0.20	343.0		
	<b>Average</b>	0	0	0	0	8.0	7.0	0.71	197.8	0.2	393.3	0.01	0.022
	<b>Maximum</b>	0	0	0	0	9	7.12	0.81	198.3	0.2	412	0.01	0.022
	<b>Minimum</b>	0	0	0	0	7	6.95	0.56	196.9	0.2	343	0.01	0.022

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1-May-12	1969 Kaye	0	0	0	0	9	6.93	0.65	197.5	0.19	344	0.01	0.021
9-May-12	2235 Rascal			0	0	11	7.17	0.48	198	0.20	411		
15-May-12	900 Stonefly			0	0	10	7.12	0.73	202	0.20	420		
23-May-12	1969 Kaye			0	0	10	7.06	0.86	205	0.20	426		
	<b>Average</b>	0	0	0	0	10.0	7.1	0.68	200.6	0.20	400.3	0.01	0.021
	<b>Maximum</b>	0	0	0	0	11	7.17	0.86	205	0.20	426	0.01	0.021
	<b>Minimum</b>	0	0	0	0	9	6.93	0.48	197.5	0.19	344	0.01	0.021

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6-Jun-12	1969 Kaye Road	0	0	0	0	11	7.01	0.46	203	0.20	421	0.02	0.035
13-Jun-12	2235 Rascal Lane			0	0	12	7.20	0.6	204	0.20	423		
20-Jun-12	900 Stonefly			0	0	11	7.85	0.65	203.8	0.20	423		
28-Jun-12	2235 Rascal Lane			0	0	12	7.01		207	0.21	426		
	<b>Average</b>	0	0	0	0	11.5	7.3	0.57	204.5	0.20	423.3	0.02	0.035
	<b>Maximum</b>	0	0	0	0	12	7.85	0.65	207	0.21	426	0.02	0.035
	<b>Minimum</b>	0	0	0	0	11	7.01	0.46	203	0.20	421	0.02	0.035

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10-Jul-12	1969 Kaye Road	0	0	0	0	14	7.10	0.73	207.3	0.21	430.0	0.01	0.041
18-Jul-12	900 Stonefly			0	0	11	7.03	0.59	211.7	0.21	439.0		
25-Jul-12	2235 Rascal			0	0	14	7.14	0.59	214.0	0.21	445.0		
31-Jul-12	1969 Kaye Road			0	0	14	7.05	0.24	212.0	0.21	439.0		
	<b>Average</b>	0	0	0	0	13.3	7.08	0.54	211.3	0.21	438.3	0.01	0.041
	<b>Maximum</b>	0	0	0	0	14	7.14	0.73	214	0.21	445	0.01	0.041
	<b>Minimum</b>	0	0	0	0	11	7.03	0.24	207.3	0.21	430	0.01	0.041

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7-Aug-12	1969 Kaye	0	0	0	0	16	7.27	0.86	216.5	0.21	448.0	0.06	0.037
14-Aug-12	2235 Rascal			0	0	14	7.12	0.72	216.4	0.22	488.0		
21-Aug-12	1969 Kaye			0	0	15	7.14	0.41	218.0	0.22	451.0		
29-Aug-12	2235 Rascal			0	0	15	7.35	0.42	217.0	0.22	450.0		
	<b>Average</b>	0	0	0	0	15.0	7.2	0.60	217.0	0.2	459.3	0.06	0.037
	<b>Maximum</b>	0	0	0	0	16	7.35	0.86	218	0.22	488	0.06	0.037
	<b>Minimum</b>	0	0	0	0	14	7.12	0.41	216.4	0.21	448	0.06	0.037

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5-Sep-12	1969 Kaye Road	0	0	0	0	15	7.43	0.70	218.4	0.22	452.0	0.06	0.002
12-Sep-12	2235 Rascal			0	0	13	7.11	0.51	216.5	0.22	449.0		
18-Sep-12	900 Stonefly			0	0	10	7.38	0.82	217.0	0.22	449.0		
26-Sep-12	2235 Rascal			0	0	12	7.00	0.65	219.0	0.22	454.0		
	<b>Average</b>	0	0	0	0	12.5	7.2	0.67	217.7	0.2	451.0	0.06	0.002
	<b>Maximum</b>	0	0	0	0	15	7.43	0.82	219	0.22	454	0.06	0.002
	<b>Minimum</b>	0	0	0	0	10	7	0.51	216.5	0.22	449	0.06	0.002

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2-Oct-12	1969 Kaye Rd	0	0	0	0	12	6.41	0.59	219.0	0.22	453.0	0.01	0.044
16-Oct-12	900 Stonefly			0	0	12	6.94	0.39	221.0	0.22	458.0		
24-Oct-12	2235 Rascal			0	0	11	7.03	0.69	219.2	0.22	454.0		
	<b>Average</b>	0	0	0	0	11.7	6.8	0.56	219.7	0.2	455.0	0.01	0.044
	<b>Maximum</b>	0	0	0	0	12	7.03	0.69	221	0.22	458	0.01	0.044
	<b>Minimum</b>	0	0	0	0	11	6.41	0.39	219	0.22	453	0.01	0.044

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13-Nov-12	1969 Kaye	0	0	0	0	10	7.18	0.77	218	0.22	452	0.02	0.025
20-Nov-12	2235 Rascal			0	0		6.9		213.7	0.21	443		
28-Nov-12	900 Stonefly			0	0	8	6.88	0.86	212.4	0.21	440		
	<b>Average</b>	0	0	0	0	9.0	7.0	0.82	214.7	0.2	445.0	0.02	0.025
	<b>Maximum</b>	0	0	0	0	10	7.18	0.86	218	0.22	452	0.02	0.025
	<b>Minimum</b>	0	0	0	0	8	6.88	0.77	212.4	0.21	440	0.02	0.025

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4-Dec-12	1969 Kaye Road	0	0	0	0	8	7.35	0.72	212.4	0.21	440	0.01	0.035
11-Dec-12	2235 Rascal			0	0	8	7.95	0.80	210.6	0.21	437		
17-Dec-12	900 Stonefly			0	0	7	7.24	0.89	209	0.21	429		
	<b>Average</b>	0	0	0	0	7.7	7.5	0.80	210.7	0.2	435.3	0.01	0.035
	<b>Maximum</b>	0	0	0	0	8	7.95	0.89	212.4	0.21	440	0.01	0.035
	<b>Minimum</b>	0	0	0	0	7	7.24	0.72	209	0.21	429	0.01	0.035

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