



Regional District of Nanaimo - Water Services Department

Englishman River Water Analysis - 2014 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-14	1969 Kaye	0	0	0	0	9	7.29	0.62	230.0	0.23	477.0	0.01	0.070
9-Dec-14	2235 Rascal	0	0	0	0	8	7.09	0.58	230.0	0.23	476.0		
15-Dec-14	1969 Kaye			0	0	7	6.84	0.59	234.0	0.23	484.0		
	Average	0	0	0	0	8.0	7.1	0.60	231.3	0.2	479.0	0.01	0.07
	Maximum	0	0	0	0	9	7.29	0.62	234	0.23	484	0.01	0.07
	Minimum	0	0	0	0	7	6.84	0.58	230	0.23	476	0.01	0.07

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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3-Nov-14	2235 Rascal	T	T	0	0	11	7.04	0.68	239.0	0.24	493.0	0.03	0.018
18-Nov-14	1969 Kaye	0	0	0	0	9	6.84	0.60	229.0	0.23	476.0		
24-Nov-14	2235 Rascal			0	0	9	6.86	0.57	236.0	0.24	409.0		
	Average	0	0	0	0	9.7	6.9	0.62	234.7	0.2	459.3	0.03	0.018
	Maximum	0	0	0	0	11	7.04	0.68	239	0.24	493	0.03	0.018
	Minimum	0	0	0	0	9	6.84	0.57	229	0.23	409	0.03	0.018

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T=Sample not tested. Too long in transit.

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7-Oct-14	2235 Rascal	0	0	0	0	13	7.32	0.60	236.0	0.24	488.0	0.02	0.019
14-Oct-14	1969 Kaye	0	0	0	0	14	7.30	0.59	238.0	0.24	491.0		
20-Oct-14	2235 Rascal			0	0	13	7.14	0.41	234.0	0.23	484.0		
27-Oct-14	1969 Kaye			0	0	12	7.02	0.46	236.0	0.24	488.0		
	Average	0	0	0	0	13.0	7.2	0.52	236.0	0.2	487.8	0.02	0.019
	Maximum	0	0	0	0	14	7.32	0.6	238	0.24	491	0.02	0.019
	Minimum	0	0	0	0	12	7.02	0.41	234	0.23	484	0.02	0.019

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3-Sep-14	1969 Kaye	0	0	0	0	16	6.98	0.61	239.0	0.24	495.0	0.02	0.036
9-Sep-14	2235 Rascal	0	0	0	0	14	7.26	0.80	237.0	0.24	490.0		
16-Sep-14	1969 Kaye			0	0	14	7.11	0.70	238.0	0.24	492.0		
24-Sep-14	2235 Rascal			0	0	15	6.86	0.58	239.0	0.24	495.0		
29-Sep-14	1969 Kaye			0	0	15	6.57	0.55	237.0	0.24	491.0		
	Average	0	0	0	0	14.8	7.0	0.65	238.0	0.2	492.6	0.02	0.036
	Maximum	0	0	0	0	16	7.26	0.8	239	0.24	495	0.02	0.036
	Minimum	0	0	0	0	14	6.57	0.55	237	0.24	490	0.02	0.036

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5-Aug-14	1969 Kaye	0	0	0	0	17	6.94	0.63	235.0	0.23	485.0	0.10	0.034
12-Aug-14	2235 Rascal	0	0	0	0	15	7.11	0.72	238.0	0.24	488.0		
19-Aug-14	1969 Kaye			0	0	16	6.82	0.65	236.0	0.23	487.0		
25-Aug-14	2235 Rascal			0	0	16	7.16	0.66	232.0	0.23	481.0		
	Average	0	0	0	0	16.0	7.0	0.67	235.3	0.2	485.3	0.10	0.034
	Maximum	0	0	0	0	17	7.16	0.72	238	0.24	488	0.1	0.034
	Minimum	0	0	0	0	15	6.82	0.63	232	0.23	481	0.1	0.034

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2-Jul-14	2235 Rascal	0	0	0	0	15	6.80	0.74	232.0	0.23	481.0	0.04	0.039
7-Jul-14	1969 Kaye	0	0	0	0	15	6.73	0.58	229.0	0.23	473.0		
15-Jul-14	2235 Rascal			0	0	13	6.79	0.67	231.0	0.23	478.0		
22-Jul-14	1969 Kaye			0	0	16	7.03	0.53	233.0	0.23	482.0		
29-Jul-14	2235 Rascal			0	0	15	6.97	0.57	236.0	0.23	489.0		
	Average	0	0	0	0	14.8	6.9	0.62	232.2	0.2	480.6	0.04	0.039
	Maximum	0	0	0	0	16	7.03	0.74	236	0.23	489	0.04	0.039
	Minimum	0	0	0	0	13	6.73	0.53	229	0.23	473	0.04	0.039

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4-Jun-14	2235 Rascal Lane	0	0	0	0	13	7.02	0.77	227.0	0.22	470.0	0.04	0.029
9-Jun-14	1969 Kaye	0	0	0	0	13	7.01	0.75	230.0	0.23	475.0		
16-Jun-14	2235 Rascal Lane			0	0	11	6.92	0.87	230.0	0.23	477.0		
24-Jun-14	1969 Kaye			0	0	15	7.05	0.74	230.0	0.23	477.0		
	Average	0	0	0	0	13.0	7.0	0.78	229.3	0.2	474.8	0.04	0.029
	Maximum	0	0	0	0	15	7.047	0.87	230	0.23	477	0.04	0.029
	Minimum	0	0	0	0	11	6.92	0.74	227	0.22	470	0.04	0.029

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6-May-14	2235 Rascal Lane	0	0	0	0	10	6.81	0.66	222.0	0.22	456.0	0.04	0.020
13-May-14	1969 Kaye	0	0	0	0	11	7.41	0.66	224.0	0.22	463.0		
21-May-14	2235 Rascal Lane			0	0	11	7.32	0.57	226.0	0.22	466.0		
26-May-14	1969 Kaye			0	0	13	7.14	0.58	227.0	0.23	469.0		
	Average	0	0	0	0	11.3	7.2	0.62	224.8	0.2	463.5	0.04	0.02
	Maximum	0	0	0	0	13	7.41	0.66	227	0.23	469	0.04	0.02
	Minimum	0	0	0	0	10	6.81	0.57	222	0.22	456	0.04	0.02

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1-Apr-14	2235 Rascal	0	0	0	0	9	6.90	0.66	221.0	0.22	458.0	0.02	0.037
9-Apr-14	1969 Kaye	0	0			7		0.60					
14-Apr-14	2235 Rascal			0	0	8	7.34	0.61	222.0	0.22	459.0		
30-Apr-14	1969 Kaye			0	0	9	7.02	0.63	222.0	0.22	460.0		
	Average	0	0	0	0	8.3	7.1	0.63	221.7	0.2	459.0	0.02	0.037
	Maximum	0	0	0	0	9	7.34	0.66	222	0.22	460	0.02	0.037
	Minimum	0	0	0	0	7	6.9	0.6	221	0.22	458	0.02	0.037

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4-Mar-14	2235 Rascal	0	0	0	0	6	7.17	0.61	219.0	0.22	454.0	0.02	0.013
10-Mar-14	1969 Kaye	0	0	0	0	5	7.03	0.57	222.0	0.22	460.0	0.12	
18-Mar-14	2235 Rascal			0	0	6	7.51	0.65	220.0	0.22	456.0		
24-Mar-14	1969 Kaye			0	0	8	7.28	0.59	220.0	0.22	458.0		
	Average	0	0	0	0	6.3	7.2	0.61	220.3	0.2	457.0	0.07	0.013
	Maximum	0	0	0	0	8	7.51	0.65	222	0.22	460	0.12	0.013
	Minimum	0	0	0	0	5	7.03	0.57	219	0.22	454	0.02	0.013

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3-Feb-14	2235 Rascal	0	0	0	0	8	7.00	0.88	223.0	0.22	468.0	0.00	0.023
11-Feb-14	1969 Kaye	0	0	0	0	8	6.92	0.71	220.0	0.22	456.0		
18-Feb-14	2235 Rascal			0	0	8	6.91	0.84	220.0	0.22	456.0		
	Average	0	0	0	0	8.0	6.9	0.81	221.0	0.2	460.0	0.00	0.023
	Maximum	0	0	0	0	8	7	0.88	223	0.22	468	0	0.023
	Minimum	0	0	0	0	8	6.91	0.71	220	0.22	456	0	0.023

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6-Jan-14	2235 Rascal	0	0	0	0	8	7.09	0.99	224.0	0.22	462.0	0.01	0.020
13-Jan-14	1969 Kaye	0	0	0	0	8	7.15	0.89	220.0	0.22	456.0		
20-Jan-14	2235 Rascal			0	0	8	7.43	0.91	223.0	0.22	461.0		
29-Jan-14	1969 Kaye			0	0	8	7.10	0.81	224.0	0.22	464.0		
	Average	0	0	0	0	8.0	7.2	0.90	222.8	0.2	460.8	0.01	0.02
	Maximum	0	0	0	0	8	7.43	0.99	224	0.22	464	0.01	0.02
	Minimum	0	0	0	0	8	7.09	0.81	220	0.22	456	0.01	0.02

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