

## **Englishman River Water Analysis - 2020 Monthly Report**

		_	ntre for Control			F	RDN In-H	ouse Labora	atory & Spe	ctropho	tometer			Bureau V	eritas Lab
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)	Total Iron (mg/L)	Manganese (mg/L)
1-Dec-20	1969 Kaye	0	0	0	0	8	7.81	0.75	255.0	0.25	526.0			0.0107	0.006
7-Dec-20	2235 Rascal	0	0	0	0	9	8.04	0.66	257.0	0.26	530.0	Fe and M		0.0114	0.0108
14-Dec-20	2235 Rascal			0	0	9	8.19	0.50	255.0	0.26	527.0		sted in-house. results from		
												See test results from Bureau Veritas>.			
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC	0.3	0.02 AO 0.12 MAC

#### Legend:

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

#### **Comments:**

Туре	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12		occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.

<sup>\*</sup> Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)



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2-Nov-20	1969 Kaye	0	0	0	0	11	7.98	0.61	265.0	0.26	547.0				
9-Nov-20	2235 Rascal	0	0	0	0	11	8.26	0.57	263.0	0.26	543.0	Fe and M			
16-Nov-20	1969 Kaye			0	0	10	8.11	0.77	259.0	0.26	534.0		sted in-house. results from	0.009	0.0054
23-Nov-20	2235 Rascal			0	0	9	7.95	0.56	258.0	0.26		Bureau V	eritas>.	0.014	0.0111
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC	0.3	0.02 AO 0.12 MAC

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5-Oct-20	1969 Kaye			0	0	16	8.11	0.67	267.0	0.27	551.0				
13-Oct-20	2235 Rascal	0	0	0	0	15	8.10	0.74	269.0	0.27	553.0	Fe and M			
19-Oct-20	1969 Kaye	0	0	0	0	14	8.00	0.59	265.0	0.26	547.0		sted in-house. results from	0.0097	0.0068
26-Oct-20	2235 Rascal			0	0	11	7.96	0.67	265.0	0.26			eritas>.		
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC	0.3	0.02 AO 0.12 MAC

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2-Sep-20	1969 Kaye	0	0	0	0	16	8.08	0.65	273.0	0.27	563.0				
8-Sep-20	2235 Rascal	0	0	0	0	16	8.09	0.78	262.0	0.27	560.0	Fe and M			
14-Sep-20	1969 Kaye			0	0	15	8.11	0.58	278.0	0.29	544.0		sted in-house. results from	0.0133	0.0092
21-Sep-20	2235 Rascal			0	0	14	8.03	0.69	271.0	0.27	558.0	See test results from Bureau Veritas>.			
28-Sep-20	2235 Rascal			0	0	15	8.21	0.69	265.0	0.27	547.0			0.0175	0.001
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC	0.3	<b>0.02</b> AO <b>0.12</b> MAC

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4-Aug-20	1969 Kaye	0	0	0	0	15	7.30	0.92	277.0	0.28	571.0				
12-Aug-20	2235 Rascal	0	0	0	0	18	8.00	0.77	261.0	0.26	538.0	Fe and M			
17-Aug-20	1969 Kaye			0	0	17	8.00	0.65	268.0	0.27	553.0		sted in-house. results from	0.015	0.0159
24-Aug-20	2235 Rascal			0	0	15	8.10	0.61	264.0	0.26	546.0	Bureau V	eritas>.	0.0225	0.029
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC	0.3	0.02 AO 0.12 MAC

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6-Jul-20	1969 Kaye	0	0	0	0	14	7.35	0.80	277.0	0.27	541.0	0.03	0.031		
13-Jul-20	2235 Rascal	0	0	0	0	15	7.40	0.79	271.0	0.27	559.0			0.0625	0.0282
20-Jul-20	1969 Kaye			0	0	15	7.29	0.74	273.0	0.27	451.0			0.0165	0.0182
27-Jul-20	2235 Kaye			0	0	14	7.29	0.92	271.0	0.27	557.0				
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC	0.3	<b>0.02</b> AO <b>0.12</b> MAC

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1-Jun-20	1969 Kaye	0	0	0	0	12	7.48	0.76	269.0	0.27	554.0	0.03	0.024
8-Jun-20	2235 Rascal	0	0	0	0	13	7.39	0.88	277.0	0.25	550.0		
15-Jun-20	1969 Kaye			0	0	13	7.41	0.68	270.0	0.27	557.0		
22-Jun-20	2235 Rascal			0	0	12	7.40	0.88	271.0	0.26	555.0		
29-Jun-20	2235 Rascal			0	0	14	7.14	0.77	273.0	0.27	563.0		
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC

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I = Inorganic	Manganese (2019)	0.12	AO: <0.02	Dissolution of naturally-	Health Basis of MAC: Effects on	AO based on minimizing the
chemical				occurring minerals commonly	neurological development and	occurrence of discoloured water,
parameter				found in soil and rock. Other	behaviour; deficits in memory,	consumer complaints and staining of
				sources include industrial	attention, and motor skills.	laundry.
				discharge, mining activities and	Other: Formula-fed infants (where	
				leaching from landfills.	water containing manganese at levels	
					above the MAC is used to prepare	
					formula) may be especially at risk.	

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4-May-20	1969 Kaye			0	0	9	7.68	0.63	268.0	0.27	552.0	0.03	0.036
11-May-20	2235 Rascal	0	0	0	0	10	7.48	0.71	266.0	0.27	547.0		
19-May-20	1969 Kaye	0	0	0	0	11	7.41	0.78	268.0	0.27	553.0		
25-May-20	2235 Rascal			0	0	12	7.40	0.77	268.0	0.27	553.0		
CDN Drinkir	ng Water Guidelines	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC	

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I = Inorganic chemical	Manganese (2019)	0.12	l	,	l .	AO based on minimizing the occurrence of discoloured water.
parameter			ı	,	3	consumer complaints and staining of
				1		laundry.
			ı		Other: Formula-fed infants (where water containing manganese at levels	
					above the MAC is used to prepare	
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6-Apr-20	1969 Kaye	0	0	0	0	8	7.04	0.59	266.0	0.25	536.0	0.02	0.034
14-Apr-20	2235 Rascal Lane	0	0	0	0	8	7.66	0.62	266.0	0.27	551.0		
20-Apr-20	1969 Kaye			0	0	8	7.66	0.76	267.0	0.27	551.0		
28-Apr-20	2235 Rascal Lane			0	0	10	7.49	0.73	280.0	0.28	571.0		
CDN Drinki	DN Drinking Water Guidelines <1 <1			<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC

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I = Inorganic	Manganese (2019)	0.12	AO: <0.02	Dissolution of naturally-	Health Basis of MAC: Effects on	AO based on minimizing the
chemical				occurring minerals commonly	neurological development and	occurrence of discoloured water,
parameter				found in soil and rock. Other	behaviour; deficits in memory,	consumer complaints and staining of
				sources include industrial	attention, and motor skills.	laundry.
				discharge, mining activities and	Other: Formula-fed infants (where	
1				leaching from landfills.	water containing manganese at levels	
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2-Mar-20	1969 Kaye	0	0	0	0	6	7.05	0.59	260.0	0.26	539.0	0.03	0.027
9-Mar-20	2235 Rascal	0	0	0	0	7	7.61	0.03	262.0	0.26	540.0		
16-Mar-20	1969 Kaye			0	0	6	7.15	0.61	261.0	0.26	538.0		
23-Mar-20	2235 Rascal			0	0	7	7.84	0.58	262.0	0.26	540.0		
30-Apr-20	1969 Kaye			0	0	8	7.60	0.63	264.0	0.26	544.0		
CDN Drinkin	g Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC

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3-Feb-20	1969 Kaye	0	0	0	0	6	7.29	0.60	262.0	0.26	541.0	0.02	0.048
10-Feb-20	2235 Rascal	0	0	0	0	6	7.52	0.70	264.0	0.26	544.0		
18-Feb-20	1969 Kaye			0	0	9	7.06	0.55	262.0	0.26	542.0		
24-Feb-20	2235 Rascal			0	0	7	7.19	0.59	259.0	0.34	546.0		
CDN Drinkin	ng Water Guidelines	<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	<b>0.02</b> AO <b>0.12</b> MAC

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parameter				found in soil and rock. Other	behaviour; deficits in memory,	consumer complaints and staining of
				sources include industrial	attention, and motor skills.	laundry.
				discharge, mining activities and	Other: Formula-fed infants (where	
				leaching from landfills.	water containing manganese at levels	
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6-Jan-20	1969 Kaye	0	0	0	0	7	7.37	0.62	266.0	0.27	549.0	0.01	0.039
13-Jan-20	2235 Rascal	0	0	0	0	6	7.50	0.61	266.0	0.27	548.0		
20-Jan-20	1969 Kaye			0	0	7	7.44	0.56	249.0	0.26	550.0		
27-Jan-20	2235 Rascal			0	0	7	7.26	0.63	263.0	0.26	543.0		
CDN Drinkin	g Water Guidelines	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	0.3	0.02 AO 0.12 MAC	

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