

Englishman River Water Analysis - 2020 Monthly Report

			ntre for Control			F	RDN In-Ho	ouse Labora	ntory & Spe	ctropho	tometer		
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)
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	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		
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

<u>Legend:</u>

Red font indicates non-compliance with Canadian Drinking Water Guidelines (CDWG)

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

AO indicates an Aesthetic Objective listed in the CDWG

MAC indicates a Maximum Acceptable Concentration listed 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		found in soil and rock. Other sources include industrial discharge, mining activities and	neurological development and behaviour; deficits in memory,	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.



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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 Drinkii	N Drinking Water Guidelines <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 chemical parameter	Manganese (2019)	0.12		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.



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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 Drink	CDN Drinking 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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Туре	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic	Manganese (2019)	0.12		Dissolution of naturally-	1	AO based on minimizing the
chemical				,		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	
					above the MAC is used to prepare	
					formula) may be especially at risk.	



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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	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	
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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 Drinkir	ng 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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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	ng 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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