

Englishman River Distribution (Tap Water) Analysis 1969 Kaye Road

CDWG=Canadian Drinking Water Guidelines

AO= Aesthetic Objective

OG= Operational Guidance Value

MAC= Maximum Acceptable Concentration in the CDWG

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		May 10 2016	May 8 2017	May 7 2018	May 15 2019	May 21 2020	May 6 2021	May 5 2022
Miscellaneous Inorganics										
Fluoride	mg/L	1.5	MAC	0.087	0.096	0.09	0.087	0.095	0.075	<0.05
Alkalinity (total as CaCO ₃)	mg/L			133	134	124	128	120	130	120
Anions										
Dissolved Sulphate	mg/L	500	AO	7.98	8.52	9.6	8.7	8.3	8.8	1.1
Dissolved Chloride	mg/L	250	AO	65	70	79	84	93	98	78
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005
Miscellaneous										
Apparent Colour	Colour Unit			10	10	10	<2.0	5	10	<5
Nutrients										
Total Ammonia	mg/L			0.0097	0.085	<0.020	<0.015	0.016	<0.015	<0.015
Physical Properties										
Conductivity	µS/cm			483	480	503	539	540	560	470
pH	pH	7.0:10.5	AO	8.19	8.23	8.17	8.1	8.16	8.13	7.48
TDS	mg/L	500	AO	264	316	264	290	310	340	300
Turbidity	NTU			0.2	0.16	0.24	0.39	0.25	0.23	<0.1
Microbiological Parameters										
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0
Calculated Parameters										
Total Hardness (CaCO ₃)	mg/L			173	221	176	189	184	189	142
Nitrate	mg/L	10	MAC	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	0.031
Elements										
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019	<0.0000019	<0.0000019
Total Metals										
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00163	0.00192	0.00164	0.0015	0.00164	0.00162	<0.0001
Total Barium	mg/L	1	MAC	0.03	0.0349	0.0305	0.0317	0.0324	0.0339	0.0272
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.052	0.064	0.064	0.064	0.069	0.074	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00237	0.00616	0.00523	0.00437	0.00311	0.00286	0.00518
Total Iron	mg/L	0.3	AO	0.0148	0.0167	0.0117	0.0201	0.0159	0.0151	0.0383
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	<0.0002	0.00052	0.00024	0.00021	0.00078
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0174	0.0084	0.0095	0.0168	0.0106	0.0141	0.0018
Total Molybdenum	mg/L			<0.001	0.0012	<0.001	<0.001	<0.001	0.0011	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			7.4	9.3	7.25	6.94	7.11	7	14.1
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.359	0.396	0.389	0.348	0.387	0.399	0.0737
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00035	0.00039	0.00032	0.00032	0.00034	0.00035	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0073
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			43	56.5	44.7	48.4	47.5	47.8	36.7
Total Magnesium	mg/L			15.9	19.4	15.5	16.5	15.8	16.9	12.2
Total Potassium	mg/L			1.45	1.78	1.4	1.5	1.46	1.61	0.502
Total Sodium	mg/L	200	AO	23.6	29.6	25.1	27.2	28.7	30.7	32.7
Total Sulphur	mg/L			3.2	3.5	<3.0	<3.0	3.2	<3	<3