

2023 - 2024 RIVER MONITORING REPORT

		Stream Sampling Locations						
		Sturgeon Creek	Truro Creek	Omand's Creek	La Salle River	Seine River	Bunn's Creek	
Parameter	Unit	S2	S3	S4	S5	S7	S8	
Temperature ¹	° C	19.5	18.2	19.1	20.7	18.4	19.4	
Dissolved Oxygen ¹	mg/L	6.66	4.21	1.29	5.93	5.39	6.15	
pH ¹	units	8.03	7.69	7.49	8.44	8.04	8.40	
Ammonia	mg/L N	<0.013	<0.013	0.50	<0.013	<0.013	<0.013	
Biochemical Oxygen Demand	mg/L	4	3	4	4	4	11	
Total Suspended Solids	mg/L	4.6	<3.0	8.0	31.6	19.1	31.5	
Total Kjeldahl Nitrogen ³	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	0.44	<0.20	1.93	0.58	0.53	0.71	
Total Phosphorus	mg/L P	0.131	0.166	0.441	0.350	0.282	0.265	
Escherichia Coliform ²	MPN/100 mL	430	3,650	9,800	180	990	960	
Survey Date:	<i>September 5, 2023</i>	Time:	<i>5:20 PM</i>	<i>6:27 PM</i>	<i>6:43 PM</i>	<i>3:33 PM</i>	<i>7:38 PM</i>	<i>8:08 PM</i>

Notes:

CSO = Combined Sewer Overflow

MPN = Most Probable Number

N/A = Not Available

- 1) Field analysed parameter
- 2) Analysed by contract laboratory
- 3) Calculated by laboratory

< VALUE *Less than minimum detection*

> VALUE *Greater than maximum detection*

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		Sturgeon Creek	Truro Creek	Omand's Creek	La Salle River	Seine River	Bunn's Creek	
Parameter	Unit	S2	S3	S4	S5	S7	S8	
Temperature ¹	° C	18.2	19.0	20.0	17.9	19.0	20.8	
Dissolved Oxygen ¹	mg/L	7.42	4.36	1.69	5.80	4.95	7.22	
pH ¹	units	7.95	7.32	7.32	7.87	7.68	8.57	
Ammonia	mg/L N	0.013	<0.013	0.75	<0.013	<0.013	<0.013	
Biochemical Oxygen Demand	mg/L	<3	4	6	<3	<3	11	
Total Suspended Solids	mg/L	<3.0	4.6	4.4	23.6	9.5	35.0	
Total Kjeldahl Nitrogen ³	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	<0.20	<0.20	2.63	0.85	0.39	1.69	
Total Phosphorus	mg/L P	0.137	0.137	0.456	0.336	0.222	0.306	
Escherichia Coliform ²	MPN/100 mL	100	1,620	10,500	40	610	470	
Survey Date:	<i>September 6, 2023</i>	Time:	<i>11:44 AM</i>	<i>1:03 PM</i>	<i>1:45 PM</i>	<i>9:50 AM</i>	<i>3:10 PM</i>	<i>3:37 PM</i>

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Parameter	Unit	S2	S3	S4	S5	S7	S8	
Temperature ¹	° C	16.7	17.2	17.6	16.4	20.5	22.3	
Dissolved Oxygen ¹	mg/L	7.01	3.87	0.50	6.43	6.17	7.10	
pH ¹	units	7.91	7.51	7.26	7.69	7.78	8.50	
Ammonia	mg/L N	0.025	<0.013	0.96	<0.013	<0.013	0.044	
Biochemical Oxygen Demand	mg/L	<3	<3	5	<3	<3	8	
Total Suspended Solids	mg/L	<3.0	7.6	7.8	17.6	13.4	24.4	
Total Kjeldahl Nitrogen ³	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	<0.20	<0.20	1.99	0.81	<0.20	2.36	
Total Phosphorus	mg/L P	0.161	0.124	0.454	0.306	0.191	0.286	
Escherichia Coliform ²	MPN/100 mL	60	320	2,610	40	350	430	
Survey Date:	<i>September 7, 2023</i>	Time:	<i>11:15 AM</i>	<i>12:23 PM</i>	<i>12:44 PM</i>	<i>9:40 AM</i>	<i>2:20 PM</i>	<i>2:50 PM</i>

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