

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	21.3	17.3	20.2	21.9	21.2	22.6	
Dissolved Oxygen ¹	mg/L	7.02	5.45	1.72	5.12	5.41	10.19	
pH ¹	units	8.14	7.93	7.64	8.50	8.18	8.36	
Ammonia	mg/L N	0.027	0.044	0.14	<0.013	<0.013	0.060	
Biochemical Oxygen Demand	mg/L	<3	<3	5	<3	<3	4	
Total Suspended Solids	mg/L	6.0	18.0	4.0	37.2	20.4	49.2	
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	0.41	0.82	0.83	0.73	1.08	
Total Phosphorus	mg/L P	0.207	0.383	0.564	0.481	0.184	0.298	
Escherichia Coliform ²	MPN/100 mL	130	310	340	270	460	1,040	
Survey Date:	<i>July 29, 2023</i>	Time:	<i>11:25 AM</i>	<i>1:39 PM</i>	<i>2:30 PM</i>	<i>9:30 AM</i>	<i>12:24 PM</i>	<i>3:51 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

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	22.0	24.2	29.8	21.9	24.6	25.0	
Dissolved Oxygen ¹	mg/L	6.63	2.69	6.34	5.36	7.78	9.24	
pH ¹	units	7.10	7.80	7.54	8.53	8.39	8.61	
Ammonia	mg/L N	0.26	0.051	0.12	<0.013	<0.013	0.047	
Biochemical Oxygen Demand	mg/L	<3	<3	NRINT	<3	<3	3	
Total Suspended Solids	mg/L	<3.0	5.6	6.4	24.4	12.4	11.6	
Total Kjeldahl Nitrogen ³	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	NRLE	<0.20	0.85	0.42	0.25	0.75	
Total Phosphorus	mg/L P	0.185	0.394	0.620	0.425	0.180	0.240	
Escherichia Coliform ²	MPN/100 mL	50	620	480	120	300	620	
Survey Date:	<i>July 30, 2023</i>	Time:	<i>10:40 AM</i>	<i>11:30 AM</i>	<i>11:59 AM</i>	<i>9:55 AM</i>	<i>1:35 PM</i>	<i>2:15 PM</i>

Notes:

CSO = Combined Sewer Overflow
 MPN = Most Probable Number
 N/A = Not Available
 NRLE = No result, laboratory error
 NRINT = No result, interferences suspected

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

< VALUE Less than minimum detection
 > VALUE Greater than maximum detection

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	21.7	18.8	24.5	25.0	23.3	25.1	
Dissolved Oxygen ¹	mg/L	6.38	3.33	0.86	6.52	6.40	8.07	
pH ¹	units	8.43	7.52	7.51	8.49	7.54	8.60	
Ammonia	mg/L N	0.029	0.067	0.12	<0.013	<0.013	<0.013	
Biochemical Oxygen Demand	mg/L	NRISD	NRISD	NRISD	NRISD	NRISD	NRISD	
Total Suspended Solids	mg/L	<3.0	10.8	4.3	34.0	13.5	14.8	
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	0.22	0.30	0.70	0.53	0.51	
Total Phosphorus	mg/L P	0.173	0.413	0.564	0.468	0.133	0.298	
Escherichia Coliform ²	MPN/100 mL	100	1,280	830	50	270	1,450	
Survey Date:	<i>July 31, 2023</i>	Time:	<i>10:00 AM</i>	<i>11:00 AM</i>	<i>11:30 AM</i>	<i>8:40 AM</i>	<i>12:30 PM</i>	<i>1:00 PM</i>

Notes:

CSO = Combined Sewer Overflow

MPN = Most Probable Number

N/A = Not Available

NRISD = No result, insufficient seed/depletion

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

< VALUE *Less than minimum detection*

> VALUE *Greater than maximum detection*