

## 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 <sup>1</sup>	° C	18.1	14.2	16.6	16.9	19.8	19.4	
Dissolved Oxygen <sup>1</sup>	mg/L	4.68	4.73	1.87	7.02	6.50	7.63	
pH <sup>1</sup>	units	7.48	7.16	4.79	6.04	8.22	5.61	
Ammonia	mg/L N	0.044	<0.013	0.016	<0.013	<0.013	0.090	
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	4	
Total Suspended Solids	mg/L	7.8	<3.0	<3.0	18.6	10.9	18.4	
Total Kjeldahl Nitrogen <sup>3</sup>	mg/L	0.39	0.28	0.60	1.19	0.58	1.33	
Total Nitrogen	mg/L N	0.44	0.28	0.65	1.20	0.58	1.44	
Total Phosphorus	mg/L P	0.163	0.180	0.410	0.353	0.218	0.231	
Escherichia Coliform <sup>2</sup>	MPN/100 mL	40	<10	170	20	20	140	
<b>Survey Date:</b>	<i>September 11, 2023</i>	<b>Time:</b>	<i>10:35 AM</i>	<i>1:40 PM</i>	<i>2:00 PM</i>	<i>12:00 PM</i>	<i>2:36 PM</i>	<i>3:12 PM</i>

Notes:

CSO = Combined Sewer Overflow

MPN = Most Probable Number

- 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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		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 <sup>1</sup>	° C	15.0	16.7	16.9	12.7	18.3	18.6	
Dissolved Oxygen <sup>1</sup>	mg/L	5.58	2.93	0.39	7.10	6.82	7.85	
pH <sup>1</sup>	units	7.80	7.80	7.14	8.26	8.46	8.53	
Ammonia	mg/L N	0.016	<0.013	0.12	<0.013	<0.013	0.17	
Biochemical Oxygen Demand	mg/L	<3	3	<3	<3	<3	<3	
Total Suspended Solids	mg/L	13.4	9.6	<3.0	16.8	7.5	17.1	
Total Kjeldahl Nitrogen <sup>3</sup>	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	0.36	0.40	1.06	0.82	0.49	1.30	
Total Phosphorus	mg/L P	0.170	0.371	0.452	0.392	0.244	0.225	
Escherichia Coliform <sup>2</sup>	MPN/100 mL	30	50	40	20	160	190	
<b>Survey Date:</b>	<i>September 12, 2023</i>	<b>Time:</b>	<i>10:54 AM</i>	<i>12:30 PM</i>	<i>12:55 PM</i>	<i>9:15 AM</i>	<i>2:40 PM</i>	<i>3:32 PM</i>

Notes:

CSO = Combined Sewer Overflow

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N/A = Not Available

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- 3) Calculated by laboratory

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## 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 <sup>1</sup>	° C	13.7	14.2	14.8	15.3	20.2	18.4	
Dissolved Oxygen <sup>1</sup>	mg/L	7.13	3.98	1.18	7.26	5.48	9.97	
pH <sup>1</sup>	units	7.72	7.23	7.14	8.31	8.21	8.49	
Ammonia	mg/L N	<0.013	<0.013	0.30	<0.013	<0.013	0.34	
Biochemical Oxygen Demand	mg/L	<3	<3	3	<3	3	<3	
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0	18.0	7.4	11.8	
Total Kjeldahl Nitrogen <sup>3</sup>	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	
Total Nitrogen	mg/L N	0.24	<0.20	0.95	0.84	0.53	1.54	
Total Phosphorus	mg/L P	0.130	0.185	0.450	0.378	0.195	0.218	
Escherichia Coliform <sup>2</sup>	MPN/100 mL	40	190	60	10	100	120	
<b>Survey Date:</b>	<i>September 13, 2023</i>	<b>Time:</b>	10:17 AM	11:14 AM	11:35 AM	8:52 AM	1:12 PM	1:45 PM

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