

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	10.9	10.0	10.5	12.5	12.1	12.7
Dissolved Oxygen ¹	mg/L	8.80	5.00	6.84	9.28	11.35	10.50
pH ¹	units	7.81	7.59	NAIM	8.85	8.50	8.47
Ammonia	mg/L N	0.092	<0.003	<0.003	<0.003	<0.003	<0.003
Biochemical Oxygen Demand	mg/L	4	4	4	3	3	5
Nitrate+Nitrite Nitrogen	mg/L	0.261	0.007	0.082	0.009	0.150	0.008
Total Suspended Solids	mg/L	57.8	5.8	8.0	19.3	20.9	18.7
Total Kjeldahl Nitrogen ³	mg/L	1.3	0.6	1.6	1.0	1.3	1.4
Total Nitrogen	mg/L N	1.59	0.59	1.65	1.02	1.44	1.36
Total Phosphorus	mg/L P	0.2995	0.0927	0.2498	0.3007	0.1596	0.1740
Escherichia Coliform ²	MPN/100 mL	2,650	31	172	2	750	22
Survey Date: Friday, May 3, 2024		Time: 1:30 PM		2:30 PM	2:55 PM	4:20 PM	5:00 PM
				5:40 PM			

Notes:

CSO = Combined Sewer Overflow

MPN = Most Probable Number

NAIM = Not Analyzed, instrument malfunction

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 ¹	° C	10.2	11.3	12.1	11.1	12.4	12.6	
Dissolved Oxygen ¹	mg/L	8.31	4.61	4.46	9.60	9.20	9.40	
pH ¹	units	7.95	7.82	7.83	8.83	8.20	8.62	
Ammonia	mg/L N	0.042	<0.003	<0.003	<0.003	<0.003	<0.003	
Biochemical Oxygen Demand	mg/L	<3	6	<3	<3	<3	4	
Nitrate+Nitrite Nitrogen	mg/L	0.193	0.005	0.020	0.007	0.108	0.019	
Total Suspended Solids	mg/L	15.4	3.0	<3.0	23.6	12.4	12.3	
Total Kjeldahl Nitrogen ³	mg/L	1.6	0.8	2.3	1.1	1.3	1.9	
Total Nitrogen	mg/L N	1.84	0.84	2.35	1.11	1.39	1.87	
Total Phosphorus	mg/L P	0.4072	0.1588	0.2703	0.3087	0.1518	0.1576	
Escherichia Coliform ²	MPN/100 mL	387	13	56	13	2,420	<1	
Survey Date:	Saturday, May 4, 2024	Time:	9:35 AM	10:15 AM	10:30 AM	8:23 AM	11:29 AM	11:52 AM

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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 ¹	° C	13.7	15.2	14.0	15.4	15.0	15.3
Dissolved Oxygen ¹	mg/L	8.63	4.54	5.12	7.85	9.71	9.31
pH ¹	units	8.10	7.98	7.92	8.80	8.58	8.59
Ammonia	mg/L N	0.350	<0.003	<0.003	0.084	0.007	0.032
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	4
Nitrate+Nitrite Nitrogen	mg/L	0.111	0.007	0.021	0.015	0.096	0.015
Total Suspended Solids	mg/L	8.0	<3.0	<3.0	14.4	12.8	13.6
Total Kjeldahl Nitrogen ³	mg/L	1.7	0.8	1.8	1.2	1.6	1.8
Total Nitrogen	mg/L N	1.80	0.78	1.79	1.26	1.69	1.80
Total Phosphorus	mg/L P	0.3991	0.1315	0.2158	0.3233	0.1358	0.1603
Escherichia Coliform ²	MPN/100 mL	225	2	16	31	3,790	11
Survey Date: Sunday, May 5, 2024		Time: 9:40 AM		10:50 AM	11:20 AM	8:30 AM	12:10 PM
							12:40 PM

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