



## 2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: May 20, 2021		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	BUNNS CREEK @ BONNER AVE (S8)	TRURO CREEK @ PORTAGE AVE (S3)
Sample Number		393426	393427	393424	393425	393418	393416	393411	393428
Temperature	°C	16.5	17.2	14.4	16.7	13.7	16.9	15.5	13.4
Dissolved Oxygen	mg/L	8.1	7.4	6.6	9.5	6.9	7.0	4.8	5.6
Oxygen Saturation	%	83	76	64	97	66	72	48	54
Biochemical Oxygen Demand	mg/L	<4	<4	5	>7	>8	<4	<4	4
pH	units	8.17	8.17	7.87	8.44	7.60	8.10	7.92	7.72
Total Solids	mg/L	358	330	1,440	1,140	1,070	604	1,330	642
Total Suspended Solids	mg/L	16.0	20.0	16.0	17.0	22.0	37.0	32.0	11.0
Turbidity	n.t.u.	10	12	4	8	15	25	7	4
Total Organic Carbon	mg/L	12.5	13.2	8.8	15.7	19.7	12.1	15.0	16.3
Chlorophyll a	ug/L	4.0	<1.0	4.0	32.0	17.4	1.3	9.3	<1.0
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	0.188	0.007	<0.003	0.038	0.011
Nitrate Nitrogen	mg/L N	<0.003	0.009	0.003	0.016	0.319	<0.003	<0.003	0.010
Total Nitrogen	mg/L N	0.6	0.7	1.1	1.3	2.0	1.1	1.5	1.1
Soluble Phosphorus	mg/L P	0.07	0.14	0.15	0.59	0.07	0.24	0.12	0.11
Total Phosphorus	mg/L P	0.08	0.12	0.20	0.23	0.17	0.36	0.17	0.33
Escherichia Coliform	MPN/100 mL	120	230	<10	160	810	<10	90	730
Fecal Coliform	MPN/100 mL	120	240	<10	100	990	<10	140	610

Notes: ns - no sample      na - not analyzed      nr - no result

Weather conditions during monitoring:

Wind Direction: North East (NE)  
Wind Speed: 43 km/h  
Cloud Coverage: 100%  
Precipitation: <0.1 mm  
Air Temperature: 19.7°C

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