



## 2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: August 12, 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		415137	415138	415134	415136	415129	415127	415123	415139
Temperature	°C	17.2	18.8	16.2	17.4	16.8	18.7	16.9	15.9
Dissolved Oxygen	mg/L	6.3	7.3	7.1	1.3	2.9	6.8	3.0	6.6
Oxygen Saturation	%	66	78	72	14	30	72	31	66
Biochemical Oxygen Demand	mg/L	<4	<4	<4	>7	<4	na	>6	<4
pH	units	8.02	8.04	7.88	7.50	7.24	8.56	7.80	7.70
Total Solids	mg/L	322	496	1,500	712	260	698	914	442
Total Suspended Solids	mg/L	15	8	6	9	7	36	43	13
Turbidity	n.t.u.	18	4	1	9	7	22	28	4
Total Organic Carbon	mg/L	20.1	17.6	6.4	19.3	8.6	15.0	32.6	12.1
Chlorophyll a	ug/L	1.3	4.0	5.3	9.3	5.3	22.7	238.0	5.3
Ammonia Nitrogen	mg/L N	0.080	0.050	0.230	0.040	0.150	0.080	0.030	0.190
Nitrate Nitrogen	mg/L N	0.032	0.048	0.020	<0.003	0.150	0.047	0.007	0.152
Total Nitrogen	mg/L N	1.2	1.0	0.8	1.6	0.9	1.4	3.9	0.8
Soluble Phosphorus	mg/L P	0.07	nr	nr	0.17	nr	0.51	0.05	nr
Total Phosphorus	mg/L P	0.11	0.31	0.13	0.26	0.13	0.65	0.36	0.06
Escherichia Coliform	MPN/100 mL	20	70	80	400	170	20	220	400
Fecal Coliform	MPN/100 mL	<10	100	280	600	320	10	230	600

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

Weather conditions during monitoring:

Wind Direction: West (W)  
Wind Speed: 30 km/h  
Cloud Coverage: 70%  
Precipitation: <0.1 mm  
Air Temperature: 8°C

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