



2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: August 26, 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		418765	418766	418762	418764	418757	418755	418751	418767
Temperature	°C	16.7	16.0	13.4	16.3	15.4	17.5	15.4	14.2
Dissolved Oxygen	mg/L	8.7	8.2	6.5	6.6	6.0	9.7	5.7	7.6
Oxygen Saturation	%	90	83	62	67	59	101	57	74
Biochemical Oxygen Demand	mg/L	na	na	<4	<4	<4	na	4	<4
pH	units	8.20	8.02	7.47	7.34	7.34	8.67	7.60	7.70
Total Solids	mg/L	466	592	1,480	526	408	650	686	444
Total Suspended Solids	mg/L	25	20	<3	3	7	6	14	34
Turbidity	n.t.u.	33	26	2	2	8	6	15	12
Total Organic Carbon	mg/L	13.3	16.6	4.6	6.1	7.7	12.3	14.5	10.3
Chlorophyll a	ug/L	2.7	70.8	2.7	6.7	16.0	9.3	28.0	6.7
Ammonia Nitrogen	mg/L N	na	na	0.113	na	0.103	na	na	0.037
Nitrate Nitrogen	mg/L N	0.031	0.638	0.040	0.237	0.183	0.076	0.371	0.152
Total Nitrogen	mg/L N	1.1	2.5	0.4	1.0	0.6	1.0	1.9	0.8
Soluble Phosphorus	mg/L P	0.08	0.25	nr	0.15	0.10	0.58	0.12	0.05
Total Phosphorus	mg/L P	0.14	0.37	0.05	0.16	0.15	0.63	0.19	0.06
Escherichia Coliform	MPN/100 mL	270	150	20	40	50	10	200	660
Fecal Coliform	MPN/100 mL	270	170	10	20	40	20	200	630

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

Weather conditions during monitoring:

Wind Direction: East (E)
Wind Speed: 11 km/h
Cloud Coverage: 60%
Precipitation: <0.1 mm
Air Temperature: 10°C

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