



2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 23, 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		425774	425775	425771	425773	425767	425765	425760	425776
Temperature	°C	14.2	14.5	11.8	14.0	13.1	15.0	ns	ns
Dissolved Oxygen	mg/L	7.3	9.2	7.3	8.3	6.1	9.5	ns	ns
Oxygen Saturation	%	71	90	67	81	58	94	ns	ns
Biochemical Oxygen Demand	mg/L	<4	na	<4	na	<4	na	ns	ns
pH	units	7.98	8.21	7.52	8.01	7.50	9.04	ns	ns
Total Solids	mg/L	412	600	1,620	1,200	802	918	ns	ns
Total Suspended Solids	mg/L	21	19	5	6	<3	5	ns	ns
Turbidity	n.t.u.	20	15	2	3	3	3	ns	ns
Total Organic Carbon	mg/L	14.0	18.6	5.2	10.8	12.5	14.9	ns	ns
Chlorophyll a	ug/L	1.3	36.0	2.7	49.4	8.0	2.7	ns	ns
Ammonia Nitrogen	mg/L N	0.051	0.036	0.179	0.043	0.090	0.057	ns	ns
Nitrate Nitrogen	mg/L N	0.018	<0.003	0.016	0.204	0.300	0.003	ns	ns
Total Nitrogen	mg/L N	0.7	1.7	0.4	1.5	1.0	1.3	ns	ns
Soluble Phosphorus	mg/L P	nr	0.15	nr	0.08	0.07	0.62	ns	ns
Total Phosphorus	mg/L P	0.11	0.27	0.03	0.14	0.09	0.77	ns	ns
Escherichia Coliform	MPN/100 mL	<10	10	20	30	70	30	ns	ns
Fecal Coliform	MPN/100 mL	20	10	10	40	120	30	ns	ns

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

Weather conditions during monitoring:

Wind Direction: South (S)
Wind Speed: 30 km/h
Cloud Coverage: 40%
Precipitation: <0.1 mm
Air Temperature: 15°C

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