



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: October 15, 2020		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		338987	338988	338985	338986	338980	338978	338973	338989
Temperature	°C	5.6	5.2	5.3	5.7	6.3	5.4	ns	4.6
Dissolved Oxygen	mg/L	9.9	8.9	11.1	10.2	6.7	10.9	ns	9.9
Oxygen Saturation	%	73	70	87	81	54	86	ns	76
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	4	ns	<4
pH	units	7.65	8.05	7.85	8.30	7.67	7.37	ns	8.09
Total Solids	mg/L	402	438	1,570	1,430	998	1,160	ns	696
Total Suspended Solids	mg/L	5	19	<3	6	5	17	ns	35
Turbidity	n.t.u.	7.9	24.9	1.9	3.7	6.3	11.2	ns	15.2
Total Organic Carbon	mg/L	12.5	17.4	4.6	7.0	13.4	14.4	ns	11.8
Chlorophyll a	ug/L	1.3	4.7	1.3	33.4	2.0	24.7	ns	49.4
Ammonia Nitrogen	mg/L N	0.025	0.036	0.024	0.009	0.015	0.003	ns	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.003	0.022	0.220	0.093	<0.003	ns	<0.003
Total Nitrogen	mg/L N	0.4	0.9	<0.3	0.6	0.5	1.0	ns	0.5
Soluble Phosphorus	mg/L P	0.107	0.188	nr	nr	nr	0.403	ns	0.136
Total Phosphorus	mg/L P	0.15	0.19	0.02	0.09	0.09	0.41	ns	0.14
Escherichia Coliform	MPN/100 mL	30	510	20	100	70	50	ns	20
Fecal Coliform	MPN/100 mL	30	350	10	220	30	30	ns	100

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

Weather conditions during monitoring:

Wind Direction: West (W)
Wind Speed: 15 km/h
Cloud Coverage: 10%
Precipitation: 1.3 mm
Air Temperature: -1°C

Compiled By: H. Demchenko
Compliance Reporting Technician

Approved By: B. Bradford
Analytical Services Branch Head

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