



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: June 27, 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		310092	310093	310089	310090	310085	310083	310078	310094
Temperature	°C	21.3	22.2	19.5	22.0	20.3	22.9	20.5	19.2
Dissolved Oxygen	mg/L	7.4	6.3	9.0	5.9	5.4	6.4	4.8	5.7
Oxygen Saturation	%	83	73	98	68	59	75	53	61
Biochemical Oxygen Demand	mg/L	<4	<4	<4	>7	5	>7	4	4
pH	units	7.79	7.77	7.52	7.55	7.32	7.37	8.27	7.20
Total Solids	mg/L	444	554	1,380	706	754	482	888	374
Total Suspended Solids	mg/L	92	66	<3	4	3	6	<3	<3
Turbidity	n.t.u.	68	62	2	6	4	7	3	3
Total Organic Carbon	mg/L	20.0	20.8	9.9	8.0	14.7	16.4	14.7	11.5
Chlorophyll a	ug/L	3.3	6.7	4.7	5.3	4.0	12.0	16.7	2.7
Ammonia Nitrogen	mg/L N	0.037	0.065	0.015	0.116	0.039	0.195	0.046	0.045
Nitrate Nitrogen	mg/L N	0.100	0.146	0.004	0.194	0.044	0.659	0.012	0.053
Total Nitrogen	mg/L N	1.0	1.2	0.7	0.8	0.9	2.2	1.2	0.6
Soluble Phosphorus	mg/L P	0.16	0.20	0.05	0.16	0.52	0.63	0.18	0.21
Total Phosphorus	mg/L P	0.21	0.28	0.05	0.20	0.57	0.77	0.21	0.25
Escherichia Coliform	MPN/100 mL	190	840	40	450	360	40	280	200
Fecal Coliform	MPN/100 mL	160	930	30	460	570	20	430	250

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

Weather conditions during monitoring:

Wind Direction: South (S)
Wind Speed: 20 km/h
Cloud Coverage: 5%
Precipitation: 0 mm
Air Temperature: 23°C

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