



2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: June 3, 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		396853	396854	396850	396852	396846	396844	396839	396855
Temperature	°C	20.1	20.4	17.5	20.7	18.0	21.5	18.8	18.6
Dissolved Oxygen	mg/L	7.5	6.9	8.0	9.7	5.7	7.2	3.4	5.7
Oxygen Saturation	%	83	76	84	108	60	81	36	62
Biochemical Oxygen Demand	mg/L	<4	<4	<4	4	<4	<4	<4	6
pH	units	8.11	8.13	7.70	8.55	7.53	7.96	8.26	7.69
Total Solids	mg/L	336	352	1,370	1,200	788	656	928	1,070
Total Suspended Solids	mg/L	23.6	32.0	3.6	11.2	5.2	38.7	6.8	24.7
Turbidity	n.t.u.	23	26	2	6	7	29	4	5
Total Organic Carbon	mg/L	18.7	19.8	9.0	13.4	14.5	12.8	12.8	17.9
Chlorophyll a	ug/L	4.0	7.3	na	34.0	2.0	21.4	3.3	30.0
Ammonia Nitrogen	mg/L N	0.005	0.008	<0.003	0.064	0.058	0.026	0.033	0.037
Nitrate Nitrogen	mg/L N	0.004	0.006	0.003	0.024	0.176	<0.003	0.110	0.012
Total Nitrogen	mg/L N	0.6	0.9	0.4	0.8	1.1	0.8	0.9	0.9
Soluble Phosphorus	mg/L P	0.11	0.13	0.06	0.18	0.07	0.29	0.16	0.09
Total Phosphorus	mg/L P	0.12	0.20	0.12	0.26	0.13	0.53	0.15	0.31
Escherichia Coliform	MPN/100 mL	120	20	90	1,080	160	60	80	90
Fecal Coliform	MPN/100 mL	40	<10	120	1,110	100	70	70	50

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

Weather conditions during monitoring:

Wind Direction: North (N)
Wind Speed: 15 km/h
Cloud Coverage: 10%
Precipitation: <0.1 mm
Air Temperature: 13°C

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