



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: October 1, 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		335268	335269	335266	335267	335261	335259	335254	335270
Temperature	°C	9.7	9.9	8.4	10.0	9.3	10.1	7.9	7.5
Dissolved Oxygen	mg/L	6.2	9.4	10.1	10.3	6.9	9.8	6.2	8.1
Oxygen Saturation	%	55	83	86	91	60	87	52	67
Biochemical Oxygen Demand	mg/L	<4	>7	<4	4	<4	>7	>7	<4
pH	units	7.82	8.25	7.93	8.27	7.73	8.37	7.85	7.83
Total Solids	mg/L	478	424	1,570	1,170	1,280	970	1,190	806
Total Suspended Solids	mg/L	7	14	4	26	7	33	108	3
Turbidity	n.t.u.	8.8	14.1	2.5	29.0	13.7	24.8	59.7	5.1
Total Organic Carbon	mg/L	22.0	18.1	4.7	7.8	16.8	16.8	18.0	12.8
Chlorophyll a	ug/L	2.0	15.4	3.3	60.7	2.0	44.7	128	6.7
Ammonia Nitrogen	mg/L N	0.014	<0.003	0.021	<0.003	0.025	0.005	4.40	0.013
Nitrate Nitrogen	mg/L N	<0.003	<0.003	0.010	0.097	0.151	<0.003	0.893	<0.003
Total Nitrogen	mg/L N	0.3	<0.3	<0.3	0.6	0.7	1.0	11.6	0.4
Soluble Phosphorus	mg/L P	0.157	0.048	<0.013	0.105	0.048	0.189	0.035	0.035
Total Phosphorus	mg/L P	0.21	0.14	0.04	0.22	0.10	0.34	0.52	0.08
Escherichia Coliform	MPN/100 mL	40	<10	10	150	840	230	1,130	40
Fecal Coliform	MPN/100 mL	70	20	50	60	1,040	180	1,860	20

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

Weather conditions during monitoring:

Wind Direction: North (N)
Wind Speed: 22 km/h
Cloud Coverage: 60%
Precipitation: 1.5 mm
Air Temperature: 1°C

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