



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: May 16, 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		299379	299380	299377	299378	299376	299371	299366	299381
Temperature	°C	10.5	11.3	10.6	10.6	9.2	12.4	10.4	8.8
Dissolved Oxygen	mg/L	10.8	10.3	10.1	12.1	9.7	9.2	7.2	9.9
Oxygen Saturation	%	97	94	90	109	85	86	64	85
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	4	<4
pH	units	7.85	7.55	7.31	7.71	7.42	7.21	7.84	7.45
Total Solids	mg/L	350	380	668	756	936	374	986	632
Total Suspended Solids	mg/L	23	22	7	9	7	10	8	16
Turbidity	n.t.u.	25	26	7	9	7	9	5	12
Total Organic Carbon	mg/L	14.0	13.9	17.0	17.8	14.8	15.2	14.6	14.2
Chlorophyll a	ug/L	3.3	2.7	12.0	24.7	8.7	14.7	13.4	10.7
Ammonia Nitrogen	mg/L N	<0.003	0.021	0.018	0.005	0.047	0.014	0.036	0.023
Nitrate Nitrogen	mg/L N	<0.003	0.052	0.024	0.013	0.326	0.038	0.013	0.007
Total Nitrogen	mg/L N	0.5	0.6	1.2	1.4	1.3	1.0	1.2	0.5
Soluble Phosphorus	mg/L P	0.05	0.13	0.39	0.36	0.10	0.13	0.10	0.10
Total Phosphorus	mg/L P	0.09	0.14	0.46	0.49	0.24	0.53	0.21	0.13
Escherichia Coliform	MPN/100 mL	30	10	60	730	50	60	290	160
Fecal Coliform	MPN/100 mL	20	30	40	330	20	60	370	180

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

Weather conditions during monitoring:

Wind Direction: East (E)
Wind Speed: 17 km/h
Cloud Coverage: 75%
Precipitation: 0 mm
Air Temperature: 13°C

Compiled By: H. Demchenko
Compliance Reporting Technician

Approved By: B. Bradford
Analytical Services Branch Head

Date Compiled: 13-Jul-20