



## 2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 17, 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		331775	331776	331773	331774	331768	331766	331761	331777
Temperature	°C	9.8	11.5	9.9	10.7	10.2	12.0	ns	8.8
Dissolved Oxygen	mg/L	9.8	10.3	10.2	10.9	7.0	9.1	ns	9.2
Oxygen Saturation	%	87	94	90	98	62	85	ns	79
Biochemical Oxygen Demand	mg/L	<4	4	<4	<4	<4	4	ns	<4
pH	units	8.22	8.58	7.76	8.33	7.51	8.37	ns	7.90
Total Solids	mg/L	374	382	1,510	1,390	690	946	ns	540
Total Suspended Solids	mg/L	15	26	37	5	<3	34	ns	<3
Turbidity	n.t.u.	19.3	19.7	4.6	1.2	4.5	24.0	ns	1.5
Total Organic Carbon	mg/L	19.3	20.8	8.8	9.9	13.1	18.1	ns	11.1
Chlorophyll a	ug/L	2.7	26.0	91.4	2.7	2.0	34.7	ns	2.0
Ammonia Nitrogen	mg/L N	0.004	0.007	0.029	0.052	0.039	0.013	ns	0.015
Nitrate Nitrogen	mg/L N	<0.003	0.018	0.018	0.111	0.088	<0.003	ns	0.025
Total Nitrogen	mg/L N	0.4	0.7	<0.3	<0.3	0.4	<0.3	ns	<0.3
Soluble Phosphorus	mg/L P	0.056	0.016	<0.013	0.039	0.075	0.210	ns	<0.013
Total Phosphorus	mg/L P	0.10	0.14	0.04	0.08	0.13	0.43	ns	0.05
Escherichia Coliform	MPN/100 mL	60	40	90	400	60	160	ns	<10
Fecal Coliform	MPN/100 mL	110	50	40	180	190	110	ns	10

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

Weather conditions during monitoring:

Wind Direction: West (W)  
Wind Speed: 6 km/h  
Cloud Coverage: 90%  
Precipitation: 0.4 mm  
Air Temperature: 6°C

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