



## 2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 12, 2019		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		240183	240184	240181	240182	240180	240179	240178	240185
Temperature	°C	12.8	13.3	12.5	12.7	13.1	13.5	14.5	12.5
Dissolved Oxygen	mg/L	9.7	8.8	8.8	8.0	7.7	8.7	7.9	7.0
Oxygen Saturation	%	91	84	83	76	73	84	78	65
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	4	5	5	<4
pH	units	8.23	8.20	7.82	7.86	7.67	8.46	8.40	7.66
Total Solids	mg/L	510	586	1,650	940	594	788	690	448
Total Suspended Solids	mg/L	38	38	<3	9	4	37	18	<3
Turbidity	n.t.u.	29	36	1	3	2	22	12	2
Total Organic Carbon	mg/L	14.8	15.0	7.8	7.1	9.5	15.8	14.3	9.2
Chlorophyll a	ug/L	4.0	32.0	<1.0	8.0	6.7	36.0	72.1	1.3
Ammonia Nitrogen	mg/L N	0.011	0.029	0.128	0.090	0.066	0.029	0.037	0.076
Nitrate Nitrogen	mg/L N	0.023	0.291	<0.003	0.243	0.052	0.008	0.014	0.050
Total Nitrogen	mg/L N	0.8	1.6	0.4	0.7	0.6	1.2	1.3	0.3
Soluble Phosphorus	mg/L P	0.09	0.19	0.07	NR	NR	0.43	0.06	NR
Total Phosphorus	mg/L P	0.11	0.27	0.06	0.12	0.14	0.60	0.21	0.05
Escherichia Coliform	MPN/100 mL	160	440	20	150	60	80	260	150
Fecal Coliform	MPN/100 mL	200	480	<10	230	20	30	280	80

Notes: NS - No Sample      NA - Not Analyzed      NR - No Result

Weather conditions during monitoring:

Wind Direction: E  
Wind Speed: 19 km/h  
Cloud Coverage: 100%  
Precipitation: 0 mm  
Air Temperature: 14°C

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Date Compiled: 27-Nov-19