



## 2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: <b>October 24, 2019</b>		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		251599	251600	251597	251598	251596	251595	251594	251601
Temperature	°C	3.4	4.7	2.5	2.7	3.3	3.9	3.7	2.6
Dissolved Oxygen	mg/L	12.1	7.8	10.3	11.4	9.6	9.5	11.3	11.5
Oxygen Saturation	%	91	60	75	84	71	72	85	85
Biochemical Oxygen Demand	mg/L	7	7	7	>14	7	6	10	<4
pH	units	7.92	7.49	7.52	7.59	7.43	7.32	7.93	7.60
Total Solids	mg/L	376	416	316	340	434	266	858	442
Total Suspended Solids	mg/L	28	13	14	13	5	19	7	4
Turbidity	n.t.u.	27	18	26	25	11	43	6	12
Total Organic Carbon	mg/L	16.0	15.0	13.3	13.2	14.0	11.5	16.6	13.5
Chlorophyll a	ug/L	<1.0	6.9	1.6	1.6	<1.0	1.3	4.0	1.6
Ammonia Nitrogen	mg/L N	0.055	0.012	0.062	0.073	0.071	0.072	<0.003	0.016
Nitrate Nitrogen	mg/L N	0.022	0.148	0.038	0.064	0.032	0.256	0.296	0.040
Total Nitrogen	mg/L N	0.8	1.0	1.0	1.1	0.8	1.2	1.5	0.7
Soluble Phosphorus	mg/L P	0.19	0.23	0.58	0.61	0.29	0.41	0.13	0.30
Total Phosphorus	mg/L P	0.20	0.21	0.58	0.60	0.27	0.39	0.17	0.27
Escherichia Coliform	MPN/100 mL	NR	NR	NR	NR	NR	NR	NR	NR
Fecal Coliform	MPN/100 mL	50	120	260	320	<10	<10	70	60

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

Weather conditions during monitoring:

Wind Direction: SW  
Wind Speed: 5.3 km/h  
Cloud Coverage: 10%  
Precipitation: 0 mm  
Air Temperature: 4°C

Compiled By: A. Gordon  
Compliance Reporting Technician

Approved By: C. Diduck  
Analytical Services Branch Head

Date Compiled: 27-Nov-19