



## 2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: April 25, 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		198552	198553	198550	198551	198549	198548	198547	198554
Temperature	°C	10.7	11.3	11.3	12.0	9.7	10.3	9.3	9.3
Dissolved Oxygen	mg/L	10.0	9.1	7.9	9.5	8.4	7.8	8.5	8.1
Oxygen Saturation	%	89	83	72	88	73	70	74	71
Biochemical Oxygen Demand	mg/L	NR	NR	NR	NR	NR	NR	NR	NR
pH	units	8.06	7.65	7.65	7.84	7.68	7.57	8.12	7.65
Total Solids	mg/L	308	386	388	408	534	252	768	512
Total Suspended Solids	mg/L	41	26	17	10	21	16	16	21
Turbidity	n.t.u.	45	20	19	20	29	45	8	18
Total Organic Carbon	mg/L	11.7	12.4	17.7	16.8	15.0	13.5	14.2	14.5
Chlorophyll a	ug/L	4.0	45.4	6.0	8.7	52.1	8.0	118	8.0
Ammonia Nitrogen	mg/L N	0.021	0.018	0.025	<0.003	0.013	0.114	0.030	0.052
Nitrate Nitrogen	mg/L N	0.065	0.082	0.015	0.021	0.050	0.685	0.019	0.005
Total Nitrogen	mg/L N	0.4	0.6	1.0	1.0	1.0	1.6	1.3	0.6
Soluble Phosphorus	mg/L P	0.13	0.27	0.53	0.55	0.29	0.31	0.11	0.16
Total Phosphorus	mg/L P	0.13	0.27	0.54	0.54	0.35	0.30	0.32	0.35
Escherichia Coliform	MPN/100 mL	10	<10	<10	60	30	<10	110	40
Fecal Coliform	MPN/100 mL	30	<10	10	120	<10	<10	10	70

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

Weather conditions during monitoring:

Wind Direction: W  
Wind Speed: 3.8 km/h  
Cloud Coverage: 20%  
Precipitation: 0.5 mm  
Air Temperature: 14°C

Compiled By: A. Gordon  
Compliance Reporting Technician

Approved By: C. Diduck  
Analytical Services Branch Head

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