



2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: June 6, 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		210009	210010	210007	210008	210006	210005	210004	210011
Temperature	°C	18.5	18.0	18.0	19.0	16.5	19.5	17.7	17.6
Dissolved Oxygen	mg/L	8.1	7.5	10.3	9.4	6.4	9.7	3.1	6.2
Oxygen Saturation	%	87	93	109	101	66	105	33	65
Biochemical Oxygen Demand	mg/L	<4	<4	<4	6	4	4	>8	<4
pH	units	8.32	8.23	8.20	8.43	8.03	8.29	8.43	7.82
Total Solids	mg/L	344	402	1,320	1,120	926	408	906	686
Total Suspended Solids	mg/L	56	103	<3	8	<3	16	19	22
Turbidity	n.t.u.	55	78	2	4	4	11	7	6
Total Organic Carbon	mg/L	15.3	16.9	8.1	10.8	14.5	15.1	20.6	14.6
Chlorophyll a	ug/L	7.1	9.3	2.7	29.4	12.0	34.7	28.0	26.7
Ammonia Nitrogen	mg/L N	<0.003	0.031	0.009	0.008	<0.003	0.003	0.042	0.065
Nitrate Nitrogen	mg/L N	0.006	0.031	<0.003	0.023	0.028	<0.003	0.005	0.030
Total Nitrogen	mg/L N	0.4	0.5	0.3	0.6	0.7	0.9	1.2	0.8
Soluble Phosphorus	mg/L P	0.06	0.09	0.11	0.18	0.09	0.26	0.57	0.23
Total Phosphorus	mg/L P	0.09	0.12	0.12	0.20	0.12	0.40	0.82	0.45
Escherichia Coliform	MPN/100 mL	50	90	10	130	1,080	20	20	20
Fecal Coliform	MPN/100 mL	20	160	40	30	780	10	10	10

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

Weather conditions during monitoring:

Wind Direction: NE
 Wind Speed: 9.5 km/h
 Cloud Coverage: 10%
 Precipitation: 0.3 mm
 Air Temperature: 26°C

Compiled By: A. Gordon
 Compliance Reporting Technician

Approved By: C. Diduck
 Analytical Services Branch Head

Date Compiled: 27-Nov-19