



## 2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: May 23, 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		205792	205793	205790	205791	205789	205788	205787	205794
Temperature	°C	13.4	12.5	12.0	13.2	11.0	14.1	11.5	10.6
Dissolved Oxygen	mg/L	9.5	8.3	9.0	10.5	8.9	7.2	6.4	7.8
Oxygen Saturation	%	91	78	83	100	81	70	58	70
Biochemical Oxygen Demand	mg/L	<4	>8	>8	5	4	5	>8	5
pH	units	8.34	8.01	7.99	8.48	8.13	7.62	8.12	7.78
Total Solids	mg/L	314	378	1,290	862	842	328	878	640
Total Suspended Solids	mg/L	41	58	3	11	14	25	15	16
Turbidity	n.t.u.	35	53	3	10	17	19	8	8
Total Organic Carbon	mg/L	14.6	14.7	8.5	12.2	16.1	17.7	14.5	11.8
Chlorophyll a	ug/L	3.3	4.7	8.0	30.7	16.0	34.7	11.3	15.4
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	0.007	0.029	0.069
Nitrate Nitrogen	mg/L N	0.004	0.053	0.004	0.034	0.046	<0.003	0.011	0.015
Total Nitrogen	mg/L N	0.6	0.7	0.6	0.9	1.1	1.1	1.0	0.8
Soluble Phosphorus	mg/L P	0.08	0.08	NR	0.08	0.06	0.59	0.27	0.10
Total Phosphorus	mg/L P	0.09	0.14	0.13	0.14	0.12	0.65	0.35	0.19
Escherichia Coliform	MPN/100 mL	20	440	10	470	190	<10	540	120
Fecal Coliform	MPN/100 mL	410	370	90	500	260	10	670	230

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

Weather conditions during monitoring:

Wind Direction: NE  
Wind Speed: 10.1 km/h  
Cloud Coverage: 50%  
Precipitation: 2.7 mm  
Air Temperature: 20°C

Compiled By: A. Gordon  
Compliance Reporting Technician

Approved By: C. Diduck  
Analytical Services Branch Head

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