



2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: May 9, 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		201903	201904	201901	201902	201900	201899	201898	201905
Temperature	°C	7.9	8.9	8.8	9.2	5.9	8.3	9.5	7.0
Dissolved Oxygen	mg/L	11.0	9.3	10.0	11.9	13.2	7.1	8.2	10.0
Oxygen Saturation	%	93	77	86	103	105	60	72	82
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	7	<4	5	<4
pH	units	8.35	7.95	7.76	8.35	8.70	7.49	8.48	7.95
Total Solids	mg/L	378	378	1,020	822	958	378	926	506
Total Suspended Solids	mg/L	19	11	7	8	25	7	32	6
Turbidity	n.t.u.	26	14	8	11	19	21	23	6
Total Organic Carbon	mg/L	14.3	15.5	15.7	17.7	20.6	15.7	16.2	14.7
Chlorophyll a	ug/L	2.7	9.3	4.7	24.0	48.1	8.0	24.0	4.0
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.032	<0.003	<0.003	0.044	0.064	<0.003
Nitrate Nitrogen	mg/L N	0.005	0.005	0.059	0.047	0.003	0.272	0.021	0.007
Total Nitrogen	mg/L N	<0.3	0.4	0.8	0.9	0.9	1.1	1.0	0.3
Soluble Phosphorus	mg/L P	0.07	0.13	0.23	0.28	0.11	0.34	0.12	0.14
Total Phosphorus	mg/L P	0.08	0.12	0.26	0.30	0.19	0.34	0.21	0.12
Escherichia Coliform	MPN/100 mL	30	<10	30	20	380	<10	150	10
Fecal Coliform	MPN/100 mL	30	20	50	60	120	<10	130	40

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

Weather conditions during monitoring:

Wind Direction: N
Wind Speed: 11.3 km/h
Cloud Coverage: 10%
Precipitation: 0 mm
Air Temperature: 8°C

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