



2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: October 10, 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		247918	247919	247916	247917	247915	247914	247913	247920
Temperature	°C	7.0	7.2	5.3	5.6	5.1	7.2	6.8	4.2
Dissolved Oxygen	mg/L	10.1	8.5	8.5	9.9	9.9	8.0	8.9	10.0
Oxygen Saturation	%	84	70	62	79	78	66	73	77
Biochemical Oxygen Demand	mg/L	<4	<4	<4	6	6	<4	5	<4
pH	units	7.83	7.85	7.76	7.79	7.68	7.85	7.62	7.71
Total Solids	mg/L	414	440	428	432	572	390	724	594
Total Suspended Solids	mg/L	61	45	14	17	6	16	10	7
Turbidity	n.t.u.	52	49	15	17	12	68	7	7
Total Organic Carbon	mg/L	16.1	13.7	14.1	14.2	12.8	14.7	11.4	13.4
Chlorophyll a	ug/L	1.1	3.2	<1.0	<1.0	1.1	1.6	14.4	1.1
Ammonia Nitrogen	mg/L N	0.012	0.012	0.200	0.270	0.088	0.097	0.312	0.008
Nitrate Nitrogen	mg/L N	0.022	0.142	0.064	0.111	0.270	0.140	0.367	0.055
Total Nitrogen	mg/L N	0.3	0.5	0.7	0.8	0.5	0.7	1.0	<0.3
Soluble Phosphorus	mg/L P	0.25	0.19	0.69	0.82	0.21	0.44	0.18	0.19
Total Phosphorus	mg/L P	0.23	0.23	0.71	0.77	0.23	0.42	0.17	0.18
Escherichia Coliform	MPN/100 mL	150	210	90	500	250	70	910	150
Fecal Coliform	MPN/100 mL	110	280	100	570	280	90	910	230

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

Weather conditions during monitoring:

Wind Direction: N
Wind Speed: 11.6 km/h
Cloud Coverage: 100%
Precipitation: 11 mm
Air Temperature: 0°C

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