



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: July 23, 2020		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		317098	317099	317096	317097	317091	317089	317084	317100
Temperature	°C	20.3	21.4	19.7	21.4	19.8	22.9	19.6	19.0
Dissolved Oxygen	mg/L	8.0	7.0	7.5	9.6	6.1	8.7	2.2	5.1
Oxygen Saturation	%	89	79	81	109	67	101	24	55
Biochemical Oxygen Demand	mg/L	<4	<4	4	4	<4	<4	<4	4
pH	units	7.83	7.65	7.97	8.15	7.53	7.87	7.73	7.41
Total Solids	mg/L	478	580	876	1,450	728	602	1,000	522
Total Suspended Solids	mg/L	72	74	<3.0	12	9	24	15	7
Turbidity	n.t.u.	54	61	2	5	3	13	10	1
Total Organic Carbon	mg/L	21.9	21.1	20.9	9.1	13.1	17.3	19.9	11.5
Chlorophyll a	ug/L	2.0	2.7	4.0	9.3	2.7	25.4	6.7	1.3
Ammonia Nitrogen	mg/L N	0.008	0.039	0.061	0.010	0.041	0.027	0.107	0.040
Nitrate Nitrogen	mg/L N	0.031	0.062	<0.003	0.074	0.029	<0.003	0.068	<0.003
Total Nitrogen	mg/L N	0.9	1.0	1.2	0.5	0.6	1.0	1.3	0.4
Soluble Phosphorus	mg/L P	0.11	0.15	0.37	0.06	0.23	1.06	0.80	0.13
Total Phosphorus	mg/L P	0.20	0.23	0.46	0.12	0.32	1.17	0.90	0.23
Escherichia Coliform	MPN/100 mL	500	80	160	1,150	130	60	1,020	10
Fecal Coliform	MPN/100 mL	470	70	170	1,790	170	100	1,150	<10

Notes: ns - no sample na - not analyzed nr - no result

Weather conditions during monitoring:

Wind Direction: South (S)
Wind Speed: 30 km/h
Cloud Coverage: 60%
Precipitation: 0 mm
Air Temperature: 22°C

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