



## 2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 9, 2021		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		422233	422234	422229	422231	422225	422223	422219	422235
Temperature	°C	16.1	17.3	13.5	16.8	15.4	17.8	ns	15.9
Dissolved Oxygen	mg/L	8.4	9.3	7.8	10.2	6.5	9.1	ns	7.4
Oxygen Saturation	%	87	97	75	105	65	96	ns	75
Biochemical Oxygen Demand	mg/L	na	na	<4	na	<4	na	ns	<4
pH	units	8.24	8.42	7.68	8.44	7.54	9.09	ns	7.69
Total Solids	mg/L	414	482	1,640	1,340	702	794	ns	764
Total Suspended Solids	mg/L	22	5	<3	14	7	8	ns	3
Turbidity	n.t.u.	5	3	2	5	2	6	ns	2
Total Organic Carbon	mg/L	14.0	13.7	5.3	11.0	8.6	12.5	ns	11.3
Chlorophyll a	ug/L	5.3	4.7	2.0	65.4	12.0	2.0	ns	2.7
Ammonia Nitrogen	mg/L N	0.019	0.026	0.165	0.103	0.057	0.019	ns	0.065
Nitrate Nitrogen	mg/L N	<0.003	0.012	0.027	0.003	0.412	<0.003	ns	<0.003
Total Nitrogen	mg/L N	0.4	0.5	<0.2	0.6	0.8	1.0	ns	0.3
Soluble Phosphorus	mg/L P	0.12	0.22	nr	0.08	nr	0.63	ns	0.06
Total Phosphorus	mg/L P	0.13	0.23	0.03	0.16	0.12	0.84	ns	0.07
Escherichia Coliform	MPN/100 mL	70	100	10	240	210	20	ns	290
Fecal Coliform	MPN/100 mL	110	130	<10	210	320	<10	ns	200

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

Weather conditions during monitoring:

Wind Direction: South (S)  
Wind Speed: 11 km/h  
Cloud Coverage: 80%  
Precipitation: <0.1 mm  
Air Temperature: 12°C

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