



## 2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: <b>October 21, 2021</b>		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		432995	432996	432991	432994	432985	432984	432979	432997
Temperature	°C	4.4	4.6	6.1	5.3	5.1	4.4	4.0	3.9
Dissolved Oxygen	mg/L	11.0	10.7	9.1	7.0	8.1	11.9	6.5	11.2
Oxygen Saturation	%	91	83	73	56	63	91	49	85
Biochemical Oxygen Demand	mg/L	na	na	<4	<4	na	na	>5	na
pH	units	8.33	8.03	7.67	7.79	7.50	8.68	7.45	8.00
Total Solids	mg/L	464	466	1,650	954	538	1,270	828	452
Total Suspended Solids	mg/L	10	32	4	7	6	10	65	4
Turbidity	n.t.u.	12	25	3	3	6	6	20	1
Total Organic Carbon	mg/L	11.7	12.4	3.7	5.4	7.5	9.8	11.2	7.3
Chlorophyll a	ug/L	2.0	6.7	6.7	8.0	3.3	2.7	28.7	3.3
Ammonia Nitrogen	mg/L N	0.011	0.031	0.146	0.616	0.030	0.044	0.539	0.012
Nitrate Nitrogen	mg/L N	<0.003	0.160	0.030	0.247	0.143	<0.003	0.652	0.007
Total Nitrogen	mg/L N	0.7	1.1	0.5	1.2	0.6	0.9	2.1	0.4
Soluble Phosphorus	mg/L P	nr	0.15	nr	nr	0.13	0.50	0.15	nr
Total Phosphorus	mg/L P	0.10	0.19	nr	0.11	0.10	0.47	0.24	nr
Escherichia Coliform	MPN/100 mL	160	250	<10	80	60	90	120	260
Fecal Coliform	MPN/100 mL	110	430	<10	60	20	100	80	160

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

Weather conditions during monitoring:

Wind Direction: 7  
Wind Speed: West (W) km/h  
Cloud Coverage: 10%  
Precipitation: <0.1 mm  
Air Temperature: 3°C

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