



## 2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 3, 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		328014	328015	328011	328013	328007	328005	328000	328016
Temperature	°C	14.3	14.6	12.5	14.5	13.5	16.0	15.7	13.5
Dissolved Oxygen	mg/L	9.0	8.8	7.9	7.8	7.9	8.6	6.5	7.1
Oxygen Saturation	%	88	86	75	76	75	87	66	69
Biochemical Oxygen Demand	mg/L	<4	>8	<4	5	<4	4	6	<4
pH	units	8.16	8.15	7.66	7.92	7.53	8.08	8.10	7.60
Total Solids	mg/L	374	444	1,460	784	198	788	642	232
Total Suspended Solids	mg/L	29	41	6	6	5	22	17	<3.0
Turbidity	n.t.u.	40	43	3	6	8	15	12	3
Total Organic Carbon	mg/L	16.0	16.1	6.2	8.1	6.1	17.0	21.9	7.0
Chlorophyll a	ug/L	5.3	48.7	7.3	3.3	1.3	42.7	112	3.3
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.056	0.049	0.060	0.138	0.235	0.010
Nitrate Nitrogen	mg/L N	0.057	0.155	0.006	0.165	0.160	0.052	0.114	0.145
Total Nitrogen	mg/L N	0.5	1.2	<0.3	0.3	<0.3	1.1	2.0	<0.3
Soluble Phosphorus	mg/L P	0.09	0.09	0.03	0.08	0.05	0.50	0.02	0.03
Total Phosphorus	mg/L P	0.16	0.27	0.05	0.12	0.07	0.67	0.27	0.04
Escherichia Coliform	MPN/100 mL	550	960	230	1,140	810	<10	390	640
Fecal Coliform	MPN/100 mL	420	910	310	960	720	60	330	550

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

Weather conditions during monitoring:

Wind Direction: North West (NW)  
Wind Speed: 33 km/h  
Cloud Coverage: 25%  
Precipitation: 9.3 mm  
Air Temperature: 15°C

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