



2021 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: June 17, 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		400610	400611	400607	400609	400604	400600	400596	400612
Temperature	°C	21.1	20.9	19.5	21.6	19.4	23.2	19.6	18.8
Dissolved Oxygen	mg/L	7.3	6.7	5.7	9.6	4.4	6.9	4.4	5.5
Oxygen Saturation	%	81	75	62	109	48	81	47	59
Biochemical Oxygen Demand	mg/L	<4	<4	6	<4	6	>8	>7	7
pH	units	8.17	7.99	7.81	8.48	7.56	8.18	8.69	7.77
Total Solids	mg/L	494	484	1,220	1,380	808	594	1,040	708
Total Suspended Solids	mg/L	88	53	7	4	5	34	26	7
Turbidity	n.t.u.	50	44	2	2	3	20	7	3
Total Organic Carbon	mg/L	21.2	21.1	14.8	9.2	14.5	11.3	13.9	13.3
Chlorophyll a	ug/L	4.0	4.0	3.3	2.0	2.0	19.3	4.7	18.7
Ammonia Nitrogen	mg/L N	0.097	0.112	0.079	0.083	0.104	0.053	0.128	0.097
Nitrate Nitrogen	mg/L N	0.094	0.103	<0.003	0.042	0.157	<0.003	0.110	0.013
Total Nitrogen	mg/L N	1.0	1.1	0.9	0.6	1.0	0.9	1.2	0.6
Soluble Phosphorus	mg/L P	0.14	nr	nr	0.11	0.28	0.63	0.25	0.14
Total Phosphorus	mg/L P	0.24	0.27	0.27	0.17	0.33	0.85	0.36	0.19
Escherichia Coliform	MPN/100 mL	140	410	40	30	40	30	130	840
Fecal Coliform	MPN/100 mL	120	350	40	90	80	50	90	390

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

Weather conditions during monitoring:

Wind Direction: West (W)
Wind Speed: 22 km/h
Cloud Coverage: 0%
Precipitation: <0.1 mm
Air Temperature: 24°C

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