



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: July 9, 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		313776	313777	313774	313775	313769	313767	313762	313778
Temperature	°C	22.1	24.3	19.7	22.6	19.9	24.7	21.8	19.4
Dissolved Oxygen	mg/L	7.2	5.4	8.5	7.7	4.4	6.5	1.8	4.5
Oxygen Saturation	%	83	64	93	89	48	79	20	49
Biochemical Oxygen Demand	mg/L	<4	<4	<4	4	>7	5	>8	4
pH	units	7.88	7.44	7.62	8.49	7.56	7.70	7.43	7.34
Total Solids	mg/L	458	380	1,310	1,000	680	450	866	464
Total Suspended Solids	mg/L	111	25	10	6	6	14	10	10
Turbidity	n.t.u.	80	19	2	5	2	17	3	3
Total Organic Carbon	mg/L	25.7	22.1	11.5	13.2	17.2	15.1	26.4	15.3
Chlorophyll a	ug/L	4.0	26.0	2.7	10.0	4.0	23.4	2.0	3.3
Ammonia Nitrogen	mg/L N	0.016	<0.003	0.027	0.026	0.054	0.014	0.214	0.029
Nitrate Nitrogen	mg/L N	0.087	0.016	0.007	0.025	0.081	0.872	0.010	0.012
Total Nitrogen	mg/L N	1.0	0.9	0.5	0.5	0.6	1.7	1.0	0.4
Soluble Phosphorus	mg/L P	0.28	0.24	nr	0.33	0.56	0.21	0.64	0.46
Total Phosphorus	mg/L P	0.25	0.28	0.14	0.30	0.51	0.29	0.62	0.47
Escherichia Coliform	MPN/100 mL	190	310	30	110	320	160	150	10
Fecal Coliform	MPN/100 mL	270	360	40	250	500	320	140	30

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

Weather conditions during monitoring:

Wind Direction: South West (SW)
 Wind Speed: 24 km/h
 Cloud Coverage: 100%
 Precipitation: 0 mm
 Air Temperature: 19°C

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