



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: August 20, 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		324303	324304	324301	324302	324297	324295	324289	324305
Temperature	°C	22.0	22.5	19.2	22.2	20.9	24.2	21.3	21.3
Dissolved Oxygen	mg/L	7.6	7.0	5.9	7.3	3.8	7.6	1.9	4.7
Oxygen Saturation	%	87	80	64	83	43	91	21	53
Biochemical Oxygen Demand	mg/L	<4	<4	<4	4	<4	5	>7	<4
pH	units	7.95	8.23	7.54	8.14	7.60	8.19	7.63	7.57
Total Solids	mg/L	334	412	1,460	830	776	822	916	594
Total Suspended Solids	mg/L	54	45	<3.0	<3.0	5	21	47	<3.0
Turbidity	n.t.u.	48	36	2	2	9	22	20	3
Total Organic Carbon	mg/L	16.7	21.0	8.7	12.4	19.2	15.8	23.9	14.2
Chlorophyll a	ug/L	9.3	12.0	2.0	2.0	9.3	10.0	65.4	2.7
Ammonia Nitrogen	mg/L N	0.055	0.005	0.031	0.255	0.014	0.031	0.215	0.073
Nitrate Nitrogen	mg/L N	0.916	0.021	<0.003	0.117	0.164	0.557	0.017	0.008
Total Nitrogen	mg/L N	1.7	0.6	<0.3	0.5	0.9	1.2	2.0	0.3
Soluble Phosphorus	mg/L P	0.17	0.09	0.03	0.16	0.15	0.24	0.10	0.13
Total Phosphorus	mg/L P	0.26	0.16	0.06	0.17	0.22	0.33	0.39	0.17
Escherichia Coliform	MPN/100 mL	390	320	370	470	650	600	840	110
Fecal Coliform	MPN/100 mL	400	400	390	360	580	150	930	160

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

Weather conditions during monitoring:

Wind Direction: East (E)
 Wind Speed: 6 km/h
 Cloud Coverage: 25%
 Precipitation: 1.1 mm
 Air Temperature: 23°C

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