



2019 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: August 15, 2019		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		231533	231534	231531	231532	231530	231529	231528	231535
Temperature	°C	18.5	18.7	18.3	19.2	17.1	20.8	15.9	17.4
Dissolved Oxygen	mg/L	8.0	7.0	8.6	4.0	4.4	7.3	3.9	5.3
Oxygen Saturation	%	85	83	91	42	46	80	40	55
Biochemical Oxygen Demand	mg/L	6	12	9	>19	15	>21	15	7
pH	units	8.23	7.70	7.99	7.53	7.16	8.07	7.25	7.35
Total Solids	mg/L	454	448	1,410	1,130	740	522	444	444
Total Suspended Solids	mg/L	57	32	<3	9	5	22	19	3
Turbidity	n.t.u.	49	28	1	5	6	23	20	2
Total Organic Carbon	mg/L	19.4	19.4	9.7	21.7	16.3	13.7	15.9	13.0
Chlorophyll a	ug/L	2.7	8.0	1.3	14.7	10.7	38.7	17.4	2.7
Ammonia Nitrogen	mg/L N	0.047	0.052	0.016	<0.003	0.014	0.005	0.326	0.016
Nitrate Nitrogen	mg/L N	0.018	0.242	0.006	<0.003	0.053	0.005	0.079	<0.003
Total Nitrogen	mg/L N	1.2	1.4	0.9	1.5	1.1	1.3	1.8	0.4
Soluble Phosphorus	mg/L P	0.12	0.21	0.08	0.09	0.14	0.63	0.43	0.19
Total Phosphorus	mg/L P	0.15	0.19	0.08	0.24	0.17	0.71	0.49	0.19
Escherichia Coliform	MPN/100 mL	20	290	10	750	60	<10	1,790	110
Fecal Coliform	MPN/100 mL	20	380	20	19,900	30	10	1,990	70

Notes: NS - No Sample NA - Not Analyzed NR - No Result

Weather conditions during monitoring:

Wind Direction: W
Wind Speed: 5.2 km/h
Cloud Coverage: 50%
Precipitation: 0 mm
Air Temperature: 26°C

Compiled By: A. Gordon
Compliance Reporting Technician

Approved By: C. Diduck
Analytical Services Branch Head

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