



Small Streams Monitoring Report
Survey Date: October 24, 2024

Parameter	Unit	Sturgeon Creek @ Perimeter	Sturgeon Creek @ Portage Ave	Truro Creek @ Portage Ave	Omands Creek @ Portage Ave	La Salle River @ Hwy 75	Seine River @ Hwy 59	Seine River @ Provencher Blvd	Bunns Creek @ Bonner Ave
Sample Number		701148	701149	701152	701147	701146	701150	701151	701145
Temperature	° C	6.7	7.6	6.4	7.2	7.2	7.8	6.5	5.8
pH	units	7.55	8.28	7.82	8.14	8.42	8.27	8.20	8.22
Dissolved Oxygen	mg/L	9.0	11.1	7.7	8.8	11.0	10.9	10.6	7.5
Oxygen Saturation	%	73	92	61	72	90	91	85	60
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	3	<3	<3	4
Total Solids	mg/L	940	1,530	584	1,240	960	386	402	780
Total Suspended Solids	mg/L	7	5	4	12	26	15	43	23
Turbidity	n.t.u.	5	4	3	10	19	18	40	18
Chlorophyll a	ug/L	13.4	16.6	3.7	2.1	33.1	1.1	2.7	48.1
Total Organic Carbon	mg/L	4.0	5.8	10.8	6.6	15.0	10.8	15.4	11.2
Total Nitrogen	mg/L N	0.3	0.8	0.4	0.9	1.3	0.5	0.7	1.0
Ammonia Nitrogen	mg/L N	0.063	0.009	0.012	0.047	0.041	0.003	0.029	0.091
Nitrate Nitrogen	mg/L N	0.012	0.493	0.015	0.535	0.027	0.009	0.043	0.075
Soluble Phosphorus	mg/L P	0.02	0.04	0.07	0.04	0.30	0.08	0.08	0.04
Total Phosphorus	mg/L P	0.03	0.08	0.11	0.07	0.47	0.11	0.15	0.16
Escherichia coli	MPN/100 mL	20	390	20	40	630	60	860	700
Fecal Coliform	MPN/100 mL	<10	120	40	40	350	110	1,210	520

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

Weather conditions during monitoring:

Wind Direction: North-North East (NNE)

Wind Speed: 7 km/h

Cloud Coverage: 30 %

Precipitation: <0.1 mm

Air Temperature: 4 °C

Report Date: February 19, 2025