



Small Streams Monitoring Report

Survey Date: August 29, 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		687308	687309	687312	687307	687306	687310	687311	687305
Temperature	° C	15.7	18.5	17.9	19.0	20.5	19.4	19.3	17.6
pH	units	7.77	8.05	7.67	7.79	8.24	8.40	8.24	7.90
Dissolved Oxygen	mg/L	7.7	7.1	5.2	4.3	8.1	8.4	7.8	4.9
Oxygen Saturation	%	77	75	54	45	89	90	83	51
Biochemical Oxygen Demand	mg/L	nr	nr	nr	nr	nr	nr	nr	nr
Total Solids	mg/L	1,420	1,090	544	796	694	376	390	660
Total Suspended Solids	mg/L	12	16	25	8	33	24	25	54
Turbidity	n.t.u.	9	13	17	8	27	25	27	49
Chlorophyll a	ug/L	<1.0	11.2	2.7	4.8	35.2	5.3	2.7	131.0
Total Organic Carbon	mg/L	9.7	11.1	14.5	9.7	16.7	18.0	17.2	23.0
Total Nitrogen	mg/L N	0.5	0.8	0.8	0.8	1.1	0.8	0.6	2.7
Ammonia Nitrogen	mg/L N	<0.003	0.085	0.102	0.047	<0.003	0.016	0.016	0.454
Nitrate Nitrogen	mg/L N	0.027	0.354	0.317	0.091	0.014	0.044	0.064	0.386
Soluble Phosphorus	mg/L P	0.08	0.20	0.27	0.23	0.60	0.10	0.13	0.17
Total Phosphorus	mg/L P	0.13	0.25	0.32	0.26	0.68	0.12	0.15	0.54
Escherichia coli	MPN/100 mL	1,190	680	5,170	3,870	190	550	840	17,300
Fecal Coliform	MPN/100 mL	2,600	710	5,170	3,970	170	700	1,270	24,200

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

Weather conditions during monitoring:

Wind Direction: South-South West (SSW)

Wind Speed: 5 km/h

Cloud Coverage: 100 %

Precipitation: <0.1 mm

Air Temperature: 18 °C

Report Date: January 03, 2025