



Small Streams Monitoring Report

Survey Date: August 15, 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		683638	683639	683642	683637	683636	683640	683641	683635
Temperature	° C	17.8	19.6	20.3	20.5	22.0	20.8	21.2	19.6
pH	units	7.71	8.00	7.48	7.71	8.04	8.35	8.18	7.78
Dissolved Oxygen	mg/L	7.8	7.2	7.2	4.9	6.7	7.7	7.1	3.8
Oxygen Saturation	%	81	78	79	53	75	85	79	41
Biochemical Oxygen Demand	mg/L	<3	5	5	6	5	<3	<3	14
Total Solids	mg/L	1,310	816	416	636	654	410	412	826
Total Suspended Solids	mg/L	8	34	58	13	58	37	35	74
Turbidity	n.t.u.	7	27	59	13	50	33	27	70
Chlorophyll a	ug/L	2.0	15.4	22.7	3.3	19.4	4.7	3.3	180.0
Total Organic Carbon	mg/L	21.3	14.2	27.2	15.6	20.5	21.4	14.6	11.6
Total Nitrogen	mg/L N	3.0	1.2	1.0	1.5	2.1	1.1	1.0	1.3
Ammonia Nitrogen	mg/L N	0.076	0.014	0.114	0.065	0.074	0.011	0.029	0.424
Nitrate Nitrogen	mg/L N	0.069	0.394	0.122	0.074	0.035	0.021	0.034	0.220
Soluble Phosphorus	mg/L P	0.13	0.18	0.09	0.30	0.52	0.08	0.15	0.33
Total Phosphorus	mg/L P	0.20	0.29	0.20	0.35	0.73	0.15	0.21	0.75
Escherichia coli	MPN/100 mL	2,610	2,140	370	>24,200	1,500	250	410	>24,200
Fecal Coliform	MPN/100 mL	3,650	2,910	310	>24,200	1,350	240	860	>24,200

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

Weather conditions during monitoring:

Wind Direction: East-North East (ENE)

Wind Speed: 5 km/h

Cloud Coverage: 100 %

Precipitation: 0.1 mm

Air Temperature: 19 °C

Report Date: January 03, 2025