

Small Streams Monitoring Report

Survey Date: June 6, 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		665999	666000	666003	665998	665997	666001	666002	665996
Temperature	° C	15.0	15.7	14.7	15.9	17.7	16.3	16.9	16.2
pH	units	7.57	7.69	7.61	7.51	7.78	8.10	8.02	7.81
Dissolved Oxygen	mg/L	6.1	7.3	6.7	3.9	7.0	8.0	6.4	6.1
Oxygen Saturation	%	59	72	66	39	73	81	66	61
Biochemical Oxygen Demand	mg/L	3	4	<3	<3	<3	<3	4	<3
Total Solids	mg/L	502	522	384	462	444	468	606	682
Total Suspended Solids	mg/L	105	88	<3	<3	14	30	17	6
Turbidity	n.t.u.	147	164	3	6	19	27	17	8
Chlorophyll a	ug/L	6.0	5.3	4.0	2.0	12.7	2.7	8.0	20.7
Total Organic Carbon	mg/L	17.0	16.1	nr	17.3	17.5	20.5	20.1	16.0
Total Nitrogen	mg/L N	2.5	2.6	nr	0.7	3.8	0.8	1.2	1.0
Ammonia Nitrogen	mg/L N	0.219	0.285	nr	0.020	0.149	0.028	0.083	0.013
Nitrate Nitrogen	mg/L N	1.240	1.270	nr	0.050	2.340	0.042	0.305	0.231
Soluble Phosphorus	mg/L P	0.84	0.78	nr	0.29	0.57	0.18	0.23	0.29
Total Phosphorus	mg/L P	0.93	0.92	nr	0.30	0.60	0.18	0.24	0.35
Escherichia coli	MPN/100 mL	60	200	40	10	10	50	550	<10
Fecal Coliform	MPN/100 mL	90	240	50	40	20	30	760	<10

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

Weather conditions during monitoring:

Wind Direction: West-North West (WNW)

Wind Speed: 12 km/h

Cloud Coverage: 50 %

Precipitation: 0.3 mm

Air Temperature: 12 °C

Report Date: July 25, 2024