



Small Streams Monitoring Report
Survey Date: April 25, 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 | | 655496 | 655497 | 655500 | 655494 | 655493 | 655498 | 655499 | 655492 |
| Temperature | °C | 10.2 | 11.8 | 8.4 | 10.3 | 12.4 | 11.1 | 10.1 | 9.4 |
| pH | units | 7.77 | 8.19 | 7.72 | 7.73 | 9.00 | 8.37 | 8.35 | 8.99 |
| Dissolved Oxygen | mg/L | 9.0 | 11.4 | 7.9 | 8.1 | 11.7 | 10.5 | 10.7 | 14.2 |
| Oxygen Saturation | % | 81 | 105 | 68 | 72 | 113 | 96 | 94 | 124 |
| Biochemical Oxygen Demand | mg/L | <3 | <3 | <3 | <3 | 5 | <3 | <3 | 9 |
| Total Solids | mg/L | 598 | 602 | 676 | 660 | 320 | 384 | 488 | 896 |
| Total Suspended Solids | mg/L | 7 | 10 | <3 | 4 | 17 | 17 | 18 | 24 |
| Turbidity | n.t.u. | 8 | 11 | 2 | 4 | 15 | 22 | 20 | 15 |
| Chlorophyll a | ug/L | 12.7 | 20.7 | 4.0 | 13.4 | 52.7 | 6.0 | 14.7 | 142.0 |
| Total Organic Carbon | mg/L | 17.1 | 17.3 | 14.9 | 14.8 | 11.7 | 13.4 | 13.9 | 16.7 |
| Total Nitrogen | mg/L N | 1.6 | 1.7 | 1.5 | 1.2 | 1.2 | 0.8 | 1.1 | 1.7 |
| Ammonia Nitrogen | mg/L N | <0.003 | <0.003 | 0.022 | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |
| Nitrate Nitrogen | mg/L N | 0.026 | 0.112 | 0.018 | 0.073 | <0.004 | 0.010 | 0.066 | <0.004 |
| Soluble Phosphorus | mg/L P | 0.38 | 0.42 | 0.07 | 0.20 | 0.22 | 0.07 | 0.10 | 0.02 |
| Total Phosphorus | mg/L P | 0.44 | 0.46 | 0.08 | 0.24 | 0.34 | 0.10 | 0.14 | 0.26 |
| Escherichia coli | MPN/100 mL | <10 | 290 | 10 | 10 | <10 | 420 | 6,490 | 30 |
| Fecal Coliform | MPN/100 mL | 10 | 260 | <10 | 30 | <10 | 260 | 5,480 | 50 |

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

Weather conditions during monitoring:

Wind Direction: South-South East (SSE)
 Wind Speed: 30 km/h
 Cloud Coverage: 20 %
 Precipitation: <0.1 mm
 Air Temperature: 18 °C

Report Date: June 12, 2024