



## Small Streams Monitoring Report

**Survey Date: May 21, 2025**

| Parameter                 | Unit       | Sturgeon Creek @<br>Perimeter | Sturgeon Creek @<br>Portage Ave | Truro Creek @<br>Portage Ave | Omands Creek @<br>Portage Ave | La Salle River @<br>Hwy 75 | Seine River @<br>Hwy 59 | Seine River @<br>Provencher Blvd | Bunns Creek @<br>Bonner Ave |
|---------------------------|------------|-------------------------------|---------------------------------|------------------------------|-------------------------------|----------------------------|-------------------------|----------------------------------|-----------------------------|
| Sample Number             |            | 753194                        | 753195                          | 753198                       | 753193                        | 753192                     | 753196                  | 753197                           | 753191                      |
| Temperature               | ° C        | 11.3                          | 13.5                            | 11.1                         | 11.1                          | 11.3                       | 12.9                    | 12.3                             | 12.0                        |
| pH                        | units      | 8.03                          | 8.16                            | 7.84                         | 7.85                          | 7.65                       | 8.36                    | 8.38                             | 8.20                        |
| Dissolved Oxygen          | mg/L       | 12.4                          | 10.9                            | 9.7                          | 10.0                          | 9.7                        | 10.3                    | 10.5                             | 7.9                         |
| Oxygen Saturation         | %          | 112                           | 103                             | 87                           | 90                            | 87                         | 97                      | 97                               | 72                          |
| Biochemical Oxygen Demand | mg/L       | <4                            | <4                              | <4                           | <4                            | <4                         | <4                      | <4                               | <4                          |
| Total Solids              | mg/L       | 1,100                         | 1,260                           | 1,000                        | 990                           | 696                        | 414                     | 462                              | 1,030                       |
| Total Suspended Solids    | mg/L       | 5                             | 14                              | na                           | 4                             | 320                        | 21                      | 15                               | 6                           |
| Turbidity                 | n.t.u.     | 4                             | 12                              | 1                            | 4                             | 398                        | 15                      | 17                               | 4                           |
| Chlorophyll a             | ug/L       | 4.5                           | 10.9                            | 2.0                          | 13.4                          | 3.6                        | 4.8                     | 17.4                             | 21.4                        |
| Total Organic Carbon      | mg/L       | 14.3                          | 11.0                            | 10.9                         | 13.7                          | 21.9                       | 15.2                    | 15.2                             | 12.8                        |
| Total Nitrogen            | mg/L N     | 1.6                           | 1.6                             | 0.9                          | 1.4                           | 8.5                        | 1.1                     | 1.3                              | 1.5                         |
| Ammonia Nitrogen          | mg/L N     | <0.003                        | 0.065                           | <0.003                       | <0.003                        | 0.625                      | <0.003                  | <0.003                           | <0.003                      |
| Nitrate Nitrogen          | mg/L N     | 0.011                         | 0.198                           | 0.021                        | 0.046                         | 3.760                      | <0.004                  | 0.109                            | 0.007                       |
| Soluble Phosphorus        | mg/L P     | 0.23                          | 0.21                            | 0.05                         | 0.18                          | 0.42                       | 0.05                    | 0.08                             | 0.05                        |
| Total Phosphorus          | mg/L P     | 0.30                          | 0.26                            | 0.07                         | 0.26                          | 0.69                       | 0.06                    | 0.12                             | 0.15                        |
| Escherichia coli          | MPN/100 mL | 10                            | 30                              | 130                          | 30                            | 330                        | 50                      | 4,880                            | 130                         |
| Fecal Coliform            | MPN/100 mL | <10                           | 30                              | 150                          | 50                            | 370                        | 40                      | 2,190                            | 140                         |

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

Weather conditions during monitoring:

Wind Direction: East-South East (ESE)

Wind Speed: 21 km/h

Cloud Coverage: 93 %

Precipitation: <0.1 mm

Air Temperature: 16 °C

Report Date: July 18, 2025