



| 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             |            | 690843                        | 690844                          | 690847                       | 690842                        | 690841                     | 690845                  | 690846                           | 690840                      |
| Temperature               | ° C        | 15.5                          | 18.4                            | ns                           | 18.1                          | 20.3                       | 18.8                    | 18.6                             | 17.1                        |
| pH                        | units      | 7.69                          | 8.17                            | ns                           | 7.90                          | 8.19                       | 8.26                    | 8.21                             | 8.06                        |
| Dissolved Oxygen          | mg/L       | 8.3                           | 8.8                             | ns                           | 5.2                           | 7.6                        | 8.1                     | 7.7                              | 5.5                         |
| Oxygen Saturation         | %          | 83                            | 92                              | ns                           | 55                            | 83                         | 86                      | 82                               | 56                          |
| Biochemical Oxygen Demand | mg/L       | <3                            | <3                              | ns                           | <3                            | <3                         | <3                      | <3                               | 12                          |
| Total Solids              | mg/L       | 1,500                         | 1,510                           | ns                           | 1,120                         | 754                        | 228                     | 422                              | 582                         |
| Total Suspended Solids    | mg/L       | 15                            | <3                              | ns                           | 15                            | 54                         | 24                      | 34                               | 62                          |
| Turbidity                 | n.t.u.     | 11                            | 1                               | ns                           | 3                             | 46                         | 24                      | 27                               | 62                          |
| Chlorophyll a             | ug/L       | 2.0                           | 3.3                             | ns                           | 9.3                           | 19.4                       | 4.0                     | 6.0                              | 209.0                       |
| Total Organic Carbon      | mg/L       | 9.1                           | 10.7                            | ns                           | 12.4                          | 19.3                       | 20.4                    | 20.1                             | 29.4                        |
| Total Nitrogen            | mg/L N     | 1.1                           | 2.0                             | ns                           | 0.2                           | 0.7                        | 0.3                     | 0.3                              | 2.9                         |
| Ammonia Nitrogen          | mg/L N     | 0.090                         | 0.024                           | ns                           | 0.020                         | 0.009                      | 0.017                   | 0.021                            | 0.311                       |
| Nitrate Nitrogen          | mg/L N     | 0.014                         | 0.294                           | ns                           | 0.031                         | <0.004                     | 0.024                   | 0.014                            | 0.169                       |
| Soluble Phosphorus        | mg/L P     | 0.04                          | 0.11                            | ns                           | 0.17                          | 0.48                       | 0.07                    | 0.10                             | 0.13                        |
| Total Phosphorus          | mg/L P     | 0.08                          | 0.16                            | ns                           | 0.24                          | 0.62                       | 0.11                    | 0.16                             | 0.58                        |
| Escherichia coli          | MPN/100 mL | 340                           | 170                             | ns                           | 130                           | 40                         | 340                     | 100                              | 430                         |
| Fecal Coliform            | MPN/100 mL | 220                           | 170                             | ns                           | 190                           | 20                         | 210                     | 280                              | 240                         |

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

Weather conditions during monitoring:

Wind Direction: East (E)  
Wind Speed: 9 km/h  
Cloud Coverage: 20 %  
Precipitation: <0.1 mm  
Air Temperature: 19 °C

Report Date: February 11, 2025