



| 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             |            | 694283                        | 694284                          | 694287                       | 694282                        | 694281                     | 694285                  | 694286                           | 694280                      |
| Temperature               | ° C        | 14.3                          | 16.9                            | 16.3                         | 16.7                          | 18.9                       | 17.2                    | 16.4                             | 16.0                        |
| pH                        | units      | 7.57                          | 7.96                            | 7.66                         | 7.74                          | 8.21                       | 7.97                    | 7.87                             | 7.65                        |
| Dissolved Oxygen          | mg/L       | 7.7                           | 8.1                             | 5.9                          | 5.3                           | 8.5                        | 8.2                     | 7.4                              | 4.1                         |
| Oxygen Saturation         | %          | 74                            | 83                              | 60                           | 54                            | 91                         | 84                      | 74                               | 41                          |
| Biochemical Oxygen Demand | mg/L       | <3                            | <3                              | <3                           | <3                            | <3                         | <3                      | <3                               | 3                           |
| Total Solids              | mg/L       | 1,330                         | 1,200                           | 374                          | 808                           | 844                        | 382                     | 368                              | 640                         |
| Total Suspended Solids    | mg/L       | 8                             | 3                               | <3                           | 8                             | 49                         | 59                      | 69                               | 37                          |
| Turbidity                 | n.t.u.     | 6                             | 4                               | 2                            | 6                             | 35                         | 60                      | 57                               | 29                          |
| Chlorophyll a             | ug/L       | 3.2                           | 2.7                             | 1.1                          | <1.0                          | 32.0                       | <1.0                    | 3.3                              | 42.7                        |
| Total Organic Carbon      | mg/L       | 10.1                          | 7.0                             | 9.2                          | 10.1                          | 16.2                       | 17.1                    | 17.3                             | 13.0                        |
| Total Nitrogen            | mg/L N     | 0.9                           | 1.4                             | 0.6                          | 1.0                           | 1.0                        | 1.1                     | 1.3                              | 3.2                         |
| Ammonia Nitrogen          | mg/L N     | 0.057                         | 0.023                           | <0.003                       | 0.020                         | <0.003                     | <0.003                  | 0.043                            | 0.445                       |
| Nitrate Nitrogen          | mg/L N     | 0.019                         | 0.664                           | 0.021                        | 0.170                         | <0.004                     | 0.045                   | 0.130                            | 0.262                       |
| Soluble Phosphorus        | mg/L P     | 0.07                          | 0.13                            | 0.11                         | 0.10                          | 0.48                       | 0.18                    | 0.25                             | 0.14                        |
| Total Phosphorus          | mg/L P     | 0.08                          | 0.16                            | 0.15                         | 0.13                          | 0.61                       | 0.22                    | 0.30                             | 0.30                        |
| Escherichia coli          | MPN/100 mL | <10                           | 200                             | 400                          | <10                           | 230                        | 150                     | 2,280                            | 1,260                       |
| Fecal Coliform            | MPN/100 mL | <10                           | 130                             | 460                          | <10                           | 130                        | 150                     | 1,720                            | 1,040                       |

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

Weather conditions during monitoring:

Wind Direction:    South-South West (SSW)  
Wind Speed:        2 km/h  
Cloud Coverage:    0 %  
Precipitation:      <0.1 mm  
Air Temperature:   21 °C

Report Date:                      February 19, 2025