



2020 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: May 2, 2020 **Small Streams Sampling Locations**

| Parameter | Unit | SEINE RIVER @ HWY 59 (S6) | SEINE RIVER @ PROVENCHER BLVD (S7) | STURGEON CREEK @ PERIMETER (S1) | STURGEON CREEK @ PORTAGE AVE (S2) | OMANDS CREEK @ PORTAGE AVE (S4) | LA SALLE RIVER @ HWY 75 (S5) | BUNNS CREEK @ BONNER AVE (S8) | TRURO CREEK @ PORTAGE AVE (S3) |
|---------------------------|------------|---------------------------|------------------------------------|---------------------------------|-----------------------------------|---------------------------------|------------------------------|-------------------------------|--------------------------------|
| Sample Number | | 297202 | 297203 | 297200 | 297201 | 297199 | 297198 | 297197 | 297578 |
| Temperature | °C | 11.2 | 11.0 | 10.4 | 10.9 | 10.0 | 10.0 | 11.1 | 8.4 |
| Dissolved Oxygen | mg/L | 9.6 | 9.4 | 8.0 | 8.9 | 8.0 | 10.1 | 6.2 | 7.6 |
| Oxygen Saturation | % | 87 | 85 | 72 | 80 | 71 | 89 | 57 | 65 |
| Biochemical Oxygen Demand | mg/L | <4 | 6 | 5 | >8 | >8 | 6 | 9 | >8 |
| pH | units | 7.70 | 7.65 | 7.20 | 7.44 | 7.30 | 7.16 | 7.62 | 7.33 |
| Total Solids | mg/L | 368 | 358 | 384 | 414 | 520 | 236 | 784 | 518 |
| Total Suspended Solids | mg/L | 47 | 13 | 11 | 12 | 10 | 12 | 14 | 10 |
| Turbidity | n.t.u. | 44 | 13 | 16 | 25 | 12 | 17 | 13 | 11 |
| Total Organic Carbon | mg/L | 14.1 | 12.6 | 15.2 | 16.1 | 14.7 | 14.1 | 13.6 | 12.9 |
| Chlorophyll a | ug/L | 9.3 | 26.7 | 9.3 | 14.0 | 24.0 | 28.7 | 44.1 | 3.3 |
| Ammonia Nitrogen | mg/L N | 0.042 | 0.027 | 0.293 | 0.006 | 0.049 | 0.026 | 0.042 | 0.050 |
| Nitrate Nitrogen | mg/L N | 0.067 | 0.028 | 0.027 | 0.067 | 0.080 | 0.006 | 0.033 | 0.040 |
| Total Nitrogen | mg/L N | <0.3 | <0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.5 | <0.3 |
| Soluble Phosphorus | mg/L P | 0.14 | 0.22 | 0.65 | 0.74 | 0.52 | 0.42 | 0.32 | 0.22 |
| Total Phosphorus | mg/L P | 0.16 | 0.19 | 0.68 | 0.71 | 0.40 | 0.38 | 0.38 | 0.24 |
| Escherichia Coliform | MPN/100 mL | 20 | <10 | 10 | <10 | 10 | <10 | 20 | 50 |
| Fecal Coliform | MPN/100 mL | 10 | <10 | <10 | 50 | 50 | <10 | 50 | 50 |

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 57 km/h
 Cloud Coverage: 90%
 Precipitation: 3.3 mm
 Air Temperature: 6°C

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Date Compiled: 13-Jul-20