



2019 SMALL STREAMS SURVEY MONITORING REPORT

| Survey Date: July 4, 2019 | | 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 | | 218925 | 218926 | 218923 | 218924 | 218922 | 218921 | 218920 | 218927 |
| Temperature | °C | 20.2 | 20.2 | 21.0 | 20.7 | 23.2 | 23.0 | 19.2 | 18.3 |
| Dissolved Oxygen | mg/L | 7.8 | 6.7 | 10.0 | 9.7 | 4.3 | 8.4 | NR | 7.6 |
| Oxygen Saturation | % | 86 | 74 | 112 | 108 | 45 | 112 | NR | 81 |
| Biochemical Oxygen Demand | mg/L | NR | NR | NR | NR | NR | NR | NR | NR |
| pH | units | 8.04 | 8.11 | 8.14 | 8.73 | 7.60 | 8.43 | 7.44 | 7.73 |
| Total Solids | mg/L | 460 | 386 | 1,330 | 1,140 | 910 | 708 | 954 | 818 |
| Total Suspended Solids | mg/L | 101 | 63 | <3 | 3 | 6 | 18 | 31 | <3 |
| Turbidity | n.t.u. | 96 | 58 | 1 | 3 | 7 | 16 | 17 | 3 |
| Total Organic Carbon | mg/L | 16.9 | 15.7 | 8.8 | 9.9 | 21.6 | 14.1 | 20.5 | 14.8 |
| Chlorophyll a | ug/L | 9.3 | 8.0 | 1.3 | 2.7 | 1.3 | 32.0 | 26.7 | 1.3 |
| Ammonia Nitrogen | mg/L N | 0.032 | 0.028 | 0.051 | 0.040 | 0.120 | 0.024 | 0.513 | 0.117 |
| Nitrate Nitrogen | mg/L N | 0.133 | 0.068 | 0.006 | 0.030 | 0.297 | 0.024 | 0.024 | 0.096 |
| Total Nitrogen | mg/L N | 1.0 | 0.8 | 0.6 | 0.7 | 1.2 | 1.2 | 2.1 | 0.9 |
| Soluble Phosphorus | mg/L P | 0.09 | 0.12 | 0.12 | 0.13 | 0.20 | 0.47 | 0.99 | 0.26 |
| Total Phosphorus | mg/L P | 0.22 | 0.19 | 0.16 | 0.21 | 0.20 | 0.50 | 1.16 | 0.44 |
| Escherichia Coliform | MPN/100 mL | 90 | 780 | 20 | 830 | 1,610 | 1,610 | 650 | 150 |
| Fecal Coliform | MPN/100 mL | 110 | 400 | 30 | 770 | 1,210 | 2,140 | 720 | 150 |

Notes: NS - No Sample NA - Not Analyzed NR - No Result

Weather conditions during monitoring:

Wind Direction: NW
Wind Speed: 4.3 km/h
Cloud Coverage: 15%
Precipitation: 1.6 mm
Air Temperature: 26°C

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