

Instructions: Bold fields must be completed.

| Station Summary | | | |
|---|------------------|---|---|
| Waterbody Name UNT to Daly Creek | | Waterbody ID Code | Sample ID (YYYYMMDD-CY-FD) 70191104-43-09 |
| Sampling Location 30 m US of Crossing | | Database Key 210284821 | |
| SWIMS Station ID 10053000 | | SWIMS Station Name UNT TO DALY CREEK - BROCK ROAD | |
| Latitude | Longitude | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) GREEN BAY | | Watershed Name LITTLE RIVER | County OCONTO |

| Sample and Site Descriptors | |
|--|---|
| Sample Collector (Last Name, First) ANDREW HUDAK | Project Name LITTLE RIVER TWA ASSESSMENT 2018, 2019 |

Sampling Device

D-Frame Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: _____

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

| | | | |
|---------------------------------------|--|--|------------------------------------|
| Total Sampling Time (min) 5 | Estimated Area Sampled (m²) 8 | Number of Samples in Composite 1 | Replicate No. 1 of 1 |
|---------------------------------------|--|--|------------------------------------|

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Targeted Watershed Assessment

| | | | | | |
|-------------------------------|----------------------------|----------------------------|-----------------------|---------------------------------------|----------------------------------|
| Water Temp. (C) 5.6 | D.O. (mg/l) 10.0 | D.O. (% sat.) 82 | pH (su) 7.8 | Conductivity (umhos/cm) 509 | Transparency (cm) 7122 |
|-------------------------------|----------------------------|----------------------------|-----------------------|---------------------------------------|----------------------------------|

| | |
|--|--|
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |
|--|--|

| | | |
|--|--|---|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) .1 | Average Stream Width of reach (m) 2 |
|--|--|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 25 Gravel (ladybug to tennisball): 25
 Sand: 20 Clay: 10 Silt/Muck: 20 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 40

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain
 PL = Present, Low Impact
 PH = Present, High Impact

| Factors that may be influencing Water Resource Integrity | | Local | Water-shed | Factors that may be influencing Water Resource Integrity | | Local | Water-shed |
|--|--|-------|------------|--|--|-------|------------|
| Biological | | | | Chemical | | | |
| Algae: - Diatoms / Periphyton | | | | Chlorine | | | |
| - Filamentous Algae | | | | Dissolved Oxygen | | | |
| - Planktonic Algae | | | | Nutrients (P, N...) | | | |
| Iron Bacteria | | | | Toxics: - Inorganic (Metals) | | | |
| Macrophytes | | | | - Organic (PCBs, pesticides...) | | | |
| Slimes | | | | Other - Specify: | | | |
| Other - Specify: | | | | Sources of Stream Impacts | | | |
| | | | | Bank Erosion | | | |
| | | | | Point Source - Specify: | | | |
| | | | | Pasturing of Livestock | | | |
| Bank Erosion | | | | Runoff: - Barnyard | | | |
| Channelization: - Upstream | | | | - Construction | | | |
| - Downstream | | | | - Cropland | | | |
| Hydraulic Scour / Channel Incision | | | | - Urban | | | |
| Impoundment: - Upstream | | | | Septic Systems | | | |
| - Downstream | | | | Tile Drainage - Organic Soils | | | |
| Low Flow | | | | - Mineral Soils | | | |
| Sedimentation | | | | Springs | | | |
| Sludge | | | | Tributary(s) | | | |
| Thermal | | | | Wetland | | | |
| Turbidity | | | | Other - Specify: | | | |
| Other - Specify: | | | | | | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|--|--|--|
| Sample Sorter <i>Kiersten Czarnecki</i> | Taxonomist <i>Dimeck Jeffrey</i> | Estimated Percent of Sample Sorted <i>790</i> |
| Date Processed <i>01/27/2020</i> | Specimens Saved <i>Subsample archived in ABL until Apr 2023</i> | |

DI: 355

| Taxa | Life Stage | Benthic Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|--|------------|---------------|-------|---------------------|-----------|--------------|
| Baetis brunneicolar | L | xiiii | 14 | KW 2016 | | |
| Taeniopteryx | L | 1 | 1 | Hils 1985 | | |
| Cheumatopsyche | L | iiii | 8 | " | | |
| Dipterona modesta | L | -1 | 6 | " | | |
| Hydropsyche betteni | L | iiii | 4 | Schm Hils 1986 | | |
| Lepidostoma | L | 1 | 1 | Hils 1985 | | |
| Neophylox | L | 1 | 1 | " | imm | |
| Optiservus | L | 0 | 20 | Hils Schm 1992 | imm | N |
| O. fastiditus | L | -ii | 8 | " | | |
| Ceratopogon calicoidithorax | L | 1 | 1 | Hils 1985 | | |
| Nemecidromia | L | ii | 2 | Court Merr 2008 | | |
| Neoplasta | L | -iiii | 9 | " | | |
| Ephyridae | P | 1 | 1 | Merr Webb 2008 | | |
| Simulium vittatum species complex 08110217 | L | xii | 12 | Adl et al 2004 | | |
| Dicranota | L | ii | 2 | Hils 1985 | | |
| Gammarus pseudolimnoides | A | Biii | 43 | Hils 1972 | | |
| Cacadoidea | A | iii | 3 | Will 1972 | sem/imm | |
| Microvelia americana | A | 1 | 1 | Hils 1986 | | |
| Pisidium | A | 1 | 1 | Mackie 2007 | | |
| Enchytraeidae | A | 1 | 1 | Thorp Reg 2016 | | |
| Split 3 Chironomidae | L | iiii | JD | | | |
| Conchapelopia 08270700 | L | ii | 2 | Cran Epl 2013 | | |
| Mecynoptera | L | 1 | 1 | " | | |
| Diplocladius | L | ii | 2 | And + 3 2013 | | |
| Parachaetocladius | L | 1 | 1 | " | | |
| Parameletia | L | 888ii | 122 | " | | |
| Tvetenia bavarica group | L | 1 | 1 | Bode 1983 | | |
| Chironominae 08330000 | L | 1 | 1 | Cranston 2013 | mt in det | N |
| Micropsectra | L | x | 10 | Epl et al 2013 | | |
| Paratanytarsus longistylus | L | 1 | 5 | " | | |
| P. species A | L | iiii | 4 | Hils copybl | | |
| Polypedilum | L | ii | 2 | Epl et al 2013 | mt in det | N |
| P. (Polypedilum) ilinoense group | L | 1 | 1 | Bolton 2012 | | |
| P. (Unespedilum) | L | 1 | 1 | " | mt in det | N |
| P. (U.) auriceps | L | 8-iiii | 39 | " | | |
| P. (U.) flavum | L | iiii | 4 | " | | |
| Eneotanytarsus | L | -1 | 6 | Epl. et al 2013 | | |

> 3 taxa, TVAL ≤ 20
 q < (D.I x 321)