

Instructions: Bold fields must be completed.

| Station Summary | | | |
|--------------------------------|------------------------|---|--|
| Waterbody Name TOAD CREEK | | Waterbody ID Code 317600 | Sample ID (YYYYMMDD-CY-FD) 20210923-45-03 |
| Sampling Location US Hwy 47 | | Database Key 293164319 | |
| SWIMS Station ID 10020777 | | SWIMS Station Name TOAD CREEK-ABOVE HWY 47 - BY TOAD CR. ARCHERS | |
| Latitude 44.53681 | Longitude -88.44976 | Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) WOLF RIVER | | Watershed Name SHIOC RIVER | County OUTAGAMIE |

| Sample and Site Descriptors | |
|---|---------------------------------|
| Sample Collector (Last Name, First) ANDREW HUDAK | Project Name TOAD CREEK- TWA |

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 (m ²) 10 | Number of Samples in Composite 1 | Replicate No. <u>1</u> of <u>1</u> |
|--------------------------------|--|-------------------------------------|------------------------------------|

Reason For Sampling

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

| | | | | | |
|-------------------------|---------------------|-----------------------|-----------------|---------------------------------|---------------------------|
| Water Temp. (C) 12.9 | D.O. (mg/l) 4.23 | D.O. (% sat.) 40.4 | pH (su) 7.15 | Conductivity (umhos/cm) .747 | 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) 0.25 | Average Stream Width of reach (m) 6 |
|---|---|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 50

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: | | | |
| Physical | | | | 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 McClure, Katherine | Taxonomist Dimock, Jeff Pray | Estimated Percent of Sample Sorted 3.1 |
| Date Processed 7/2/2022 | Specimens Saved Subsample archived in ABL until Sept 2025 | |

C292: 115
 C294:
 C293:
 C291:
 B494: 48
 B492:
 B491:
 B493:

106

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---------------------|-------------|-------|---------------------|-----------|--------------|
| Callibaetis | L I | | 1 | MCB 2019 | imm | |
| Leptophlebia | L I | | 1 | " | imm | |
| Hydropsychidae | L -II | | 8 | " | imm | N |
| Chamaepsyche | L xI | | 11 | " | | |
| Hydropsyche betteri | L I | | 1 | Schuberts 1986 | | |
| Haloptilus | L I | | 1 | MCB 2019 | | |
| Cricotopus (Cricotopus) biamictus group | P I | | 1 | Wieder 1986 | | N |
| Rheocricotopus | P I | | 1 | MCB 2019 | | |
| Simuliidae | L II | | 2 | " | imm | |
| Simulium vittatum species complex 08110207 | L -III | | 8 | Adl et al 2004 | | |
| Hyalella azteca | A xII | | 17 | Spur et al 2015 | | |
| Caecidotea racovitzai racovitzai | A III | 22 | 43 | Will 1972 | | |
| Planorbidae | A I | | 1 | Thorp Reg 2016 | dam | |
| Enchytraeidae | A I | | 1 | " | | |
| Naididae | A out | | 25 | Kath Brn 1988 | | |
| Tubificonae (without hairs) | A III | | 2 | " | | |
| Harpacticoida | A III | | 4 | Thorp Reg 2016 | | |
| Split Aza Chironomidae | L by JSD | | | | | |
| Split Azb Chironomidae | L by JSD | | | | | |
| Corynoreuxa | L -II | | 7 | And et al 2013 | | |
| Thienemanniella | L III | | 5 | " | imm | N |
| Tanyptera Lacina? | L I | | 1 | " | mt indet | Y |
| Thienemannimyza group | L I | | 1 | " | imm | |
| Orthocladius | L I | | 1 | " | imm | N |
| Cricotopus (Cricotopus) biamictus group | L xII | | 12 | " | | |
| Nanocladius (Nanocladius) | L I | | 1 | " | imm | N |
| N.W.) crassicornis / cf. rectinervis | L I | | 1 | Bolton 2012 | | |
| Orthocladius (Orthocladius) | L I | | 1 | And et al 2013 | | |
| Thienemanniella xena | L -I | | 6 | Bolton 2012 | | |
| Chironomidae | L x-I | | 16 | And et al 2013 | imm | N |
| Dicrotendipes | L III | | 4 | " | | |
| Microsebia | L III | | 3 | " | | |
| Paratanytarsus species B | L x-III | | 19 | Hils unpubl | | |
| Polypedilum (Polypedilum) illinoense group | L II | | 2 | Bolton 2012 | | |
| P. (Uresipedilum) flavum | L I | | 5 | " | | |
| Rheotanytarsus | L -III | | 8 | And et al 2013 | | |

23 taxa, TVALSZID

