

Instructions: Bold fields must be completed.

| Station Summary | | | |
|------------------------------|--------------------------|--|--|
| Waterbody Name UNNAMED | | Waterbody ID Code 792200 | Sample ID (YYYYMMDD-CY-FD) 20171019-65-01 |
| Sampling Location | | | Database Key 150685668 |
| SWIMS Station ID 10048184 | | SWIMS Station Name UNNAMED TRIB AT SALT BOX RD | |
| Latitude 42.5710473 | Longitude -88.7469999 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) LOWER ROCK | | Watershed Name TURTLE CREEK | County WALWORTH |

| Sample and Site Descriptors | |
|---|---------------------------------------|
| Sample Collector (Last Name, First) RACHEL SABRE | Project Name TURTLE CREEK TWA 2017 |

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) <u>1m</u> | Estimated Area Sampled (m ²) <u>1m²</u> | Number of Samples in Composite <u>1</u> | Replicate No. <u>1</u> of <u>1</u> |
|--|---|--|------------------------------------|

Reason for Sampling

Least Impacted Reference Baseline Impact / Treatment Site
 Control Site Trend Other: _____

| | | | | | |
|---------------------------------|----------------------------|------------------------------|------------------------|---|--------------------------------|
| Water Temp. (C) <u>11.46</u> | D.O. (mg/l) <u>9.42</u> | D.O. (% sat.) <u>88.6</u> | pH (su) <u>7.79</u> | Conductivity (umhos/cm) <u>785.9</u> | Transparency (cm) <u>83</u> |
|---------------------------------|----------------------------|------------------------------|------------------------|---|--------------------------------|

| | |
|---|---|
| Water Color <input type="checkbox"/> Clear <input checked="" 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 <u>—</u> circle units m/s or f/s | Average Stream Depth of reach (m) <u>0.1m</u> | Average Stream Width of reach (m) <u>3m</u> |
|--|--|--|

Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 30% Canopy Cover at Sample Site (%) 10%

Unnamed Trib at Salt Box Road
 Sample # 20171019-65-01
 Station # 10048184
 Rachel Sabre
 1 of 1

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 | | | |
| Physical | | | | Runoff: - Barnyard | | | |
| Bank Erosion | | | | - Construction | | | |
| Channelization: - Upstream | | | | - Cropland | | | |
| - Downstream | | | | - Urban | | | |
| Hydraulic Scour / Channel Incision | | | | Septic Systems | | | |
| Impoundment: - Upstream | | | | Tile Drainage - Organic Soils | | | |
| - Downstream | | | | - Mineral Soils | | | |
| Low Flow | | | | Springs | | | |
| Sedimentation | | | | Tributary(s) | | | |
| Sludge | | | | Wetland | | | |
| Thermal | | | | Other - Specify: | | | |
| Turbidity | | | | | | | |
| Other - Specify: | | | | | | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|------------------------------|---|--|
| Sample Sorter Taylor HASZ | Taxonomist Dimick, Jeffrey | Estimated Percent of Sample Sorted 7% |
| Date Processed 4-25-18 | Specimens Saved Subsample archived in ABL until Jul 2021 | |

D2 166

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|--|------------|-------------|-------|---------------------|-----------|--------------|
| Baetis brunneicolor | L | u | 2 | Kubertanz 2016 | | |
| Chumatopsyche | L | x | 10 | Hilsenhoff 1995 | | |
| Hydropsyche | L | u | 2 | " | imm | N |
| H. herteni | L | o | 25 | Schm Hils 1986 | | |
| ceratopsyche | L | u | 2 | Hilsenhoff 1995 | imm | |
| Limnephilidae | L | u | 3 | " | imm | N |
| Pycnopsyche | L | u | 3 | " | | |
| Opatoservus | L | B-1 | 36 | Hils Schm 1992 | imm | N |
| O. fastidius L. 13 A. 1 | LA | x | 14 | " | | |
| Tropisternus lateralis nimbatus | A | 1 | 1 | Hilsenhoff 1995 | | |
| Hemerodromia | L | u | 4 | Court Meir 2008 | | |
| Neoplasia | L | 1 | 1 | " | | |
| Simulium vittatum species complex 08110217 | L | u | 4 | Adler et al 2004 | | |
| Dicranota | L | 1 | 1 | Hilsenhoff 1995 | | |
| Limnophila | L | 1 | 1 | " | | |
| Dixa | L | u | 3 | " | | |
| Tvetenia | P | u | 2 | Ferr. et al. 2008 | | N |
| Cricotopus (Cricotopus) | P | 1 | 1 | Ediff. et al 1986 | | N |
| Gammarus pseudolimnaeus | A | o | 23 | Holsinger 1972 | | |
| Attractides | A | 1 | 1 | Pluchino 1984 | | |
| Hydrobates | A | o | 28 | " | | |
| Lebertia | A | - | 5 | " | | |
| Spercheopsis | A | u | 2 | " | | |
| Entomebryomorpha | A | 1 | 1 | Christ Suid 2008 | | |
| Naididae | A | u | 3 | Ersev. Gust. 2002 | | |
| Subfossil Naididae w/ hair chaetae | A | - | 5 | Ersev. et al 2008 | | |
| Pseudosuccinea columella | A | 1 | 1 | Breen 1982 | | |
| Physa | A | 1 | 1 | Brown 1991 | | |
| split A3 Chironomidae | L | u | | | | |
| Concha peltata | L | u | 2 | Cran, Epler 2013 | | |
| Brillia | L | u | 2 | Ander + 3 2013 | imm | N |
| B. flavifrons | L | 1 | 1 | Epler 2001 | | |
| Parakiefferiella | L | u | 2 | Ander + 3 2013 | | |
| Parametriocnemus | L | 1 | 1 | " | | |
| Thienemannella | L | u | 2 | " | imm | N |
| Th. xena | L | u | 2 | Bolton 2012 | | |

ESD < 3 taxa, TVAL ≤ 2.0

