

Instructions: Bold fields must be completed.

Station Summary

| | | | |
|--|------------------|---|---|
| Waterbody Name EAST TWIN RIVER | | Waterbody ID Code 84000 | Sample ID (YYYYMMDD-CY-FD) 20171010-31-03 |
| Sampling Location | | | Database Key 149675612 |
| SWIMS Station ID 10034445 | | SWIMS Station Name EAST TWIN RIVER AT CTH F FIRST CROSSING EAST OF ELLISVILLE | |
| Latitude | Longitude | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) TWIN - DOOR - KEWAUNEE | | Watershed Name EAST TWIN RIVER | County KEWAUNEE |

Sample and Site Descriptors

| | |
|---|---|
| Sample Collector (Last Name, First) MARY GANSBERG | Project Name EAST TWIN RIVER 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) 3 | Estimated Area Sampled (m²) | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|---------------------------------------|---|--|--|

Reason For Sampling

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

| | | | | | |
|--------------------------------|----------------------------|------------------------------|-----------------------|---------------------------------------|--------------------------|
| Water Temp. (C) 10.5 | D.O. (mg/l) 10.3 | D.O. (% sat.) 91.6 | pH (su) 8.1 | Conductivity (umhos/cm) 814 | Transparency (cm) |
|--------------------------------|----------------------------|------------------------------|-----------------------|---------------------------------------|--------------------------|

| | |
|--|--|
| 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) 0.05 | Average Stream Width of reach (m) 4.5 |
|--|--|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10
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 | | N | | Nutrients (P, N...) | | P | |
| Iron Bacteria | | | | Toxics: - Inorganic (Metals) | | | |
| Macrophytes | | U | | - Organic (PCBs, pesticides...) | | | |
| Slimes | | | | Other - Specify: | | | |
| Other - Specify: <i>Phragmites</i> | | U | | Sources of Stream Impacts | | | |
| <i>Aquatic Forgetmenot</i> | | | | 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 | | N | | Septic Systems | | | |
| - Downstream | | N | | Tile Drainage - Organic Soils | | | |
| Low Flow | | U | | - 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>Maureen Grevier</i> | Taxonomist <i>Dimick Jeffrey</i> | Estimated Percent of Sample Sorted <i>13</i> |
| Date Processed <i>10/20/17</i> | Specimens Saved <i>Subsample archived in ABL int'l Dec 2020</i> | |

DI-106

AZ 275

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|-------------------------------------|------------|-------------|-------|---------------------|-----------|--------------|
| Taeniopteryx | L | | 2 | Hilsenhoff 1995 | imm | |
| Cheumatopsyche | L | 8- | 38 | " | | |
| Hydropsyche | L | - | 6 | " | imm | N |
| H. bebbii | L | x | 11 | Schm. Hils. 1986 | | |
| Ceratopsyche | L | | 1 | Hilsenhoff 1995 | imm | N |
| C. slossonae | L | x | 14 | Schm. Hils. 1986 | | |
| Lepidostoma | L | | 1 | Hilsenhoff 1995 | | |
| Limnephilidae | L | | 2 | " | imm | N |
| Limnophilus | L | | 1 | " | | |
| Pycnopsyche | L | | 2 | " | | |
| Neophylax | L | - | 6 | " | imm | |
| Dubiraphia | L | | 1 | Hils. Schm. 1992 | | |
| Orthotrichus | L | 8- | 48 | " | imm | N |
| O. festiditus | L | 15 | 20 | " | | |
| Neonksta | L | | 1 | Geart. Merr. 2008 | | |
| Arctocha | L | - | 5 | Hilsenhoff 1995 | | |
| Nicranota | L | | 4 | " | | |
| Tipula | L | | 4 | " | | |
| Gammarus pseudolimnoides | A | 8- | 47 | Hilsinger 1972 | | |
| Trembidiformes | A | | 1 | Pivchinn 1984 | imm | N |
| Atractides | A | x | 11 | " | | |
| Sperchonopsis | A | | 5 | " | | |
| Tricladida | A | | 1 | Kolasa 1991 | | |
| Naidinae | A | - | 7 | Born. Golt. 1991 | | |
| Tubificinae w/o capilliform chaetae | A | | 3 | Klamm 1985 | | |
| Physella | A | | 3 | Brown 1991 | | |
| Pisidium | A | | 1 | Burch 1972 | | |
| Salit Az Chironomidae | L | x | | | | |
| Thienemannella | P | | 1 | Ferr. et al. 2008 | | N |
| Tvetenia | P | - | 6 | " | | N |
| Tipulidae | L | | 1 | Geart. Merr. 2008 | dam | N |
| Conchapelonia | L | | 1 | Gran. Epler 2013 | | |
| Zavrelimypia | L | | 2 | " | | |
| Thienemannimyia group | L | | 1 | " | imm | N |
| Pogostia | L | | 1 | South. Ander. 2013 | | |
| Proclamesa olivacea | L | | 3 | South. Ander. 2013a | | |

