

sample in 2 jars

Instructions: Bold fields must be completed.

| Station Summary | | | |
|-------------------------------|------------------------|--|--|
| Waterbody Name SNAKE CREEK | | Waterbody ID Code 145300 | Sample ID (YYYYMMDD-CY-FD) 20171108-24-01 |
| Sampling Location | | Database Key 149424421 | |
| SWIMS Station ID 10012448 | | SWIMS Station Name SNAKE CREEK AT ST. MARIE RD. | |
| Latitude 43.8687 | Longitude -89.00683 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) UPPER FOX | | Watershed Name FOX RIVER - BERLIN | County GREEN LAKE |

| Sample and Site Descriptors | |
|--|---|
| Sample Collector (Last Name, First) DAVID BOLHA | Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 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 (m ²) 2.0 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|--------------------------------|---|-------------------------------------|------------------------------|

Reason For Sampling

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

| | | | | | |
|--------------------------|--------------------|----------------------|----------------|----------------------------------|-------------------------|
| Water Temp. (°F) 37.1 | D.O. (mg/l) 9.1 | D.O. (%sat.) 66.4 | pH (su) 7.4 | Conductivity (umhos/cm) 594.5 | Transparency (cm) 70 |
|--------------------------|--------------------|----------------------|----------------|----------------------------------|-------------------------|

Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

| | | |
|---|--|--|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) 0.4 | Average Stream Width of reach (m) 3 |
|---|--|--|

Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 100
 Canopy Cover at Sample Site (%) 0

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

Comments

Special Instructions for Laboratory

sample in 2 jars

| For Lab Use Only | | |
|--------------------------------------|--|--|
| Sample Sorter <i>Kayla Wilcox</i> | Taxonomist <i>Dimick Jeffrey</i> | Estimated Percent of Sample Sorted <i>13%</i> |
| Date Processed <i>7/11/18</i> | Specimens Saved <i>Subsample archived in ABE until Nov 2021</i> | |

E1=83

C2=225

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|------------|-------------|-------|---------------------|--------------|--------------|
| <i>Labiobaetis propeinquus</i> | L | | 4 | Klob 2016 | | |
| <i>Stenocranus</i> | L | | 1 | " | imm | |
| <i>Leptophlebia</i> | L | * | 13 | " | imm | |
| <i>Cheumatopsyche</i> | L | | 1 | Hils 1995 | | |
| <i>Hydropsyche betteni</i> | L | - | 6 | Schmitt Hils 1986 | | |
| Limnephilidae | L | - | 8 | Hils 1995 | imm | N |
| <i>Hydropsyche</i> | L | | 1 | " | imm | N |
| <i>Platycentropus amicus</i> | L | x | 10 | Wigg 1996 | | |
| <i>Ptilostomis</i> | L | | 2 | Hils 1995 | | |
| <i>Synclita</i> | L | | 1 | Solis 2008 | | |
| <i>Liodesus affinis</i> | A | | 2 | Hils 1994 | | |
| <i>Cypha</i> | L | | 1 | Hils 1995 | | |
| <i>Hemerodromia</i> | L | - | 6 | Count Kerr 2008 | | |
| <i>Simulium vittatum</i> species complex OB110217 | L | x- | 17 | Adl et al 2004 | | |
| <i>Gammarus pseudolimnoides</i> | A | - | 9 | Hols 1972 | | |
| <i>Hyalella spinicauda</i> | A | | 2 | | | |
| <i>Creogonyx</i> | A | | 4 | Hols 1972 | fem | |
| <i>Cricotopus intermedia</i> | A | BBx | 94 | Will 1972 | | |
| <i>Hesperocricus atopodonta</i> | A | | 2 | Hils 1984a | | |
| <i>H. semilucida</i> | A | | 1 | " | | |
| Split A3 Chironomidae | L | x-T-JUD | | | | |
| <i>Conchaelania</i> OB270700 | L | - | 6 | Cranston 2013 | | |
| <i>Zavelimyia</i> OB273000 | L | | 2 | " | | |
| <i>Thienemannimyia</i> group | L | | 2 | " | imm | N |
| <i>Orthocladiinae</i> OB300000 | L | | 4 | Cranston 2013 | mt undet dam | N |
| <i>Brillia</i> | L | x- | 12 | Ander+3 2013 | imm | N |
| <i>B. flavifrons</i> | L | | 3 | Epler 2001 | | |
| <i>Chaetocladius</i> | L | | 1 | Ander+3 2013 | | |
| <i>Corynoneura</i> | L | | 1 | " | | |
| <i>Limnophyes</i> | L | | 4 | " | | |
| <i>Parametriocnemus</i> | L | D- | 29 | " | | |
| <i>Paraphaenocladus</i> | L | | 1 | " | | |
| <i>Thienemannella xera</i> | L | | 1 | Bolton 2012 | | |
| <i>Tuctenia bavaria</i> group | L | | 2 | Bode 1963 | | |
| <i>Orthocladius (Orthocladius)</i> | L | | 4 | Ander+3 2013 | | |
| <i>Chironominae</i> OB330000 | L | | 2 | Cranston 2013 | mt undet | N |

23 taxa, TVAL 520

