

See note below

Instructions: Bold fields must be completed.

| Station Summary | | | | | |
|--|--|--|--|---|--|
| Waterbody Name BLACK EARTH CREEK | | Waterbody ID Code 1248600 | | Sample ID (YYYYMMDD-CY-FD) 20211026-13-01 | |
| Sampling Location downstream of South Valley Road | | | | Database Key 292570181 | |
| SWIMS Station ID 10051571 | | SWIMS Station Name BLACK EARTH CREEK - SOUTH VALLEY ROAD | | | |
| Latitude 43.12483 | Longitude -89.71094 | Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u> | | Datum Used if using GPS <u>WGS84</u> or NAD83 | |
| Basin (WMU) LOWER WISCONSIN | | Watershed Name BLACK EARTH CREEK | | County DANE | |
| Sample and Site Descriptors | | | | | |
| Sample Collector (Last Name, First) KIMBERLY KUBER | | | Project Name IMPACT OF NEW ZEALAND MUDSNAILS ON SOUTHERN WI | | |
| Sampling Device <input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate | | | <p>* This sample is part of the NZM project however it should be handled as a routine bug sample.</p> <p>You do not need to look for NZMs.</p> <p>JA</p> | | |
| Habitat Sampled <input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone | | | | | |
| Total Sampling Time (min) 1 | Estimated Area Sampled (m²) 1 | Number of | | | |
| Reason For Sampling <input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend | | | | | |
| Water Temp. (C) 9.4 | D.O. (mg/l) 14.15 | D.O. (% sat.) 123.6 | | | |
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | | | Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s) | | |
| Measured Velocity circle units m/s or f/s | | Average Stream Depth of reach (m) | | Average Stream Width of reach (m) | |
| Composition of Substrate Sampled (Percent): | | | | | |
| Bedrock: _____ | | Boulders (basketball or larger): _____ | Rubble (tennisball to basketball): _____ | Gravel (ladybug to tennisball): <u>80</u> | |
| Sand: <u>20</u> | | Clay: _____ | Silt/Muck: _____ | Overhanging Vegetation: _____ | |
| Aquatic Macrophytes: _____ | | Leaf Snags: _____ | Coarse Woody Debris: _____ | Other (____): _____ | |
| Embeddedness of Substrate at Sample Site (%) <u>30</u> | | | Canopy Cover at Sample Site (%) <u>0</u> | | |

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

Comments

Special Instructions for Laboratory

| For Lab Use Only | | |
|---------------------------------------|---|--|
| Sample Sorter <i>Raatz, Trevor</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted <i>1.56%</i> |
| Date Processed <i>4/20/2022</i> | Specimens Saved <i>Subsample archived in AACL until May 2025</i> | |

6-45-
8:38,

C2Q4: 163
 D4Q2:
 C2Q2:
 D4Q1:
 C2Q3:
 D4Q3:
 C2Q1:
 D4Q4:

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|--------------|-------------------|-------|---------------------|-----------|--------------|
| Isopoda | L | I | 1 | KW 2016 | | |
| Helicopsyche borealis | L | I | 1 | Hils 1995 | | |
| Ceratopsyche | L | III | 3 | " | imm | N |
| C. branta | L | -I | 6 | Schmidt's 1986 | | |
| Hydropsyche betteni | L | III | 3 | " | | |
| 4 Psychomyia flavida | L | I | 1 | Hils 1995 | | |
| Optiosevus | L | I | 1 | MCB 2019 | imm | N |
| O. fastiditus | L | I | 1 | Hils Sch 1992 | | |
| Cricotopus (Cricotopus) trifascia group | P | I | 1 | Wieder 1986 | | |
| Hemerodromia | L | I | 1 | MCB 2019 | | |
| Simulium vittatum species complex | L | I | 1 | Adl et al 2004 | | |
| Memitridae | A | I | 1 | Thorp & Zug 2016 | | |
| Potamopyrgus antipodarum | A | -III | 8 | " | | |
| Split A2a Chironomidae | L | Bx IV | | | | |
| Split A2b Chironomidae | L | B - IV | | | | |
| Split A3 worm | A | x - IV | | | | |
| 2/ Pagastia | L | III | 3 | And et al 2013 | | |
| Thienemannella | L | I | 1 | " | imm | |
| Cricotopus (Cricotopus) trifascia group | L | II | 2 | " | | |
| Tuekna discoloripes group | L | xxIII | 25 | Bode 1983 | | |
| Cryptochironomus | L | I | 1 | And et al 2013 | | |
| Microtendipes pedellus group | L | ov | 25 | " | | |
| Rheotanytarsus | L | ov III | 33 | " | | |
| Conchapelopia | L | III | 4 | " | | |
| Thienemannimyia group | L | I | 1 | " | imm | N |
| Orthocladius | L | 0 | 20 | " | imm/imm | N |
| Cricotopus (Cricotopus) | L | II | 2 | " | | Y |
| C. (C.) bicinctus group | L | I | 1 | " | | |
| Eukiefferiella brehmi group | L | I | 1 | " | | |
| E. claripennis group | L | I | 1 | " | | |
| Nanocladius (Nanocladius) | L | I | 1 | " | imm | |
| Orthocladius (Orthocladius) | L | III | 4 | " | | |
| Parakiefferiella | L | I | 1 | " | | |
| Paramefricnemus | L | I | 1 | " | | |
| Chironominae | L | I | 1 | " | imm | N |
| Dicranodipes | L | I | 1 | " | | |

