State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

# Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14) 

**Instructions:** **Bold** fields must be completed.

## Station Summary

| **Waterbody Name** | **Waterbody ID Code** | **Sample ID (YYYYMMDD-CY-FD)** |
|---|---|---|
| CEDAR CREEK | 21300 | 20191104-46-03 |

| **Sampling Location** | **Database Key** |
|---|---|
| OS IN-160 | 220742807 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 463074 | CEDAR CREEK AT STH 60 4M (BI SUR) |

| **Latitude** | **Longitude** | **Lat/Long Determination Method (circle)** | **Datum Used if using GPS** |
|---|---|---|---|
| 43.3230 | -87.9787 | SWIMS SWDV (GPS) | (WGS84) or NAD83 |

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| MILWAUKEE RIVER | CEDAR CREEK | OZAUKEE |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| CRAIG HELKER | MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA1 |

**Sampling Device**

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

**Habitat Sampled**

- [X] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

| **Total Sampling Time (min)** | **Estimated Area Sampled ($m^2$)** | **Number of Samples in Composite** | **Replicate No.** _____ **of** _____ |
|---|---|---|---|
| 2 | 2 | | |

**Reason For Sampling**

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: _____

| **Water Temp. (C)** | **D.O. (mg/l)** | **D.O. (% sat.)** | **pH (su)** | **Conductivity (umhos/cm)** | **Transparency (cm)** |
|---|---|---|---|---|---|
| 5.5 | 11.76 | 91.0 | | 709.4 | +120 |

**Water Color**

- [ ] Clear
- [ ] Turbid
- [X] Stained

**Estimated Stream Velocity (m/s)**

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)** |
|---|---|---|
| 3.2 | .8 | 25 |

**Composition of Substrate Sampled (Percent):**

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30

Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

**Embeddedness of Substrate at Sample Site (%)** 40 **Canopy Cover at Sample Site (%)** 0

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## 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 | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Eric Noas | Dimick, Jeffrey | 13% |
| **Date Processed** | **Specimens Saved** | |
| 6-15-2020 | Subsample archived in BBL until Aug 2023 | |

A1 C2
64 120 =184

**Wisconsin Department of Natural Resources**
ABL SampleNum: **20191104-46-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Cedar Creek**
SWIMS Database Key: **220742807**



| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---|---|---|---|---|---|
| Acentrella parvula | L | IIII | 4 | Klub 2016 | | |
| Acerpenna pygmaea | L | I | 1 | " | | |
| Baetis flavistriga species complex | L | I | 1 | " | | |
| Caenis | L | I | 1 | " | dam | |
| Leucrocuta | L | -I | 6 | " | | |
| Maccaffertium mediopunctatum | L | 𝍸I | 31 | " | | |
| M. terminatum | L | I | 1 | " | | |
| Stenacron interpunctatum | L | III | 3 | " | | |
| Tricorythodes | L | I | 1 | " | | |
| Argia | L | I | 1 | West May 2006 | imm | |
| Taeniopteryx | L | OIII | 23 | MerrCumm B 2019 | imm | N |
| T. nivalis | L | X | 10 | Full Stew 1980 | | |
| Protoptila | L | IIII | 5 | MerrCumm B 2019 | | |
| Helicopsyche borealis | L | I | 1 | Hils 1995 | ~~dam~~ | ~~N~~ JJD |
| Ceratopsyche | L | II | 2 | " | imm | N |
| C. bronta | L | X- | 15 | Schuster Hils 1986 | | |
| C. morosa bifida form | L | I | 1 | " | | |
| Cheumatopsyche | L | XIII | 13 | MerrCumm B 2019 | | |
| Leucotrichia pictipes | L | II | 2 | Hils 1995 | | |
| Chimarra obscura | L | III | 3 | Hils 1982 | | |
| Psychomyia flavida | L | I | 1 | Hils 1995 | | |
| Macronychus glabratus | L | II | 2 | Hils Schm 1992 | | |
| Optioservus | L | IIII | 4 | " | imm | N |
| O. fastiditus L, 9 A, 3 | L/A | X II | 12 | " | | |
| Stenelmis | L | OIIII | 24 | " | | N |
| S. crenata | A | -IIII | 9 | " | | |
| Psephenus herricki | L | -II | 7 | " | | |
| Gammarus pseudolimnaeus | A | I | 1 | Hols 1972 | | |
| Hyalella spinicauda | A | I | 1 | Soucek et al 2015 | | |
| Caecidotea intermedia | A | -III | 8 | Will 1972 | | |
| Tubificinae (without hairs) | A | I | 1 | Klemm 1985 | | |
| | | | | | | |
| ~~Split A2 Chironomidae~~ | ~~L~~ | ~~X+JJD~~ | | | | |
| Thienemanniella | L | II | 2 | Andt 3 2013 | imm | |
| Cladotanytarsus | L | XIII | 14 | Epler et al 2013 | | |
| Cryptochironomus | L | II | 2 | " | | |
| Microtendipes pedellus group | L | IIII | 4 | " | | |
| Rheotanytarsus | L | II | 2 | " | | |

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|---|---|---|---|---|---|---|
| Nilotanypus | L | I | 1 | Coffman Ept 2013 | | |
| Dicrotendipes | L | I | 1 | Epletal 2013 | | |
| Polypedilum (Polypedilum) illinoense group | L | I | 1 | Bolton 2012 | | |
| P. (Tripodura) scalaenum group | L | I | 1 | " | | |
| P. (Uresipedilum) flavum | L | III | 3 | " | | |