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)** |
|---|---|---|
| SILVER CREEK | 95900 | 20190930-15-12 |

| **Sampling Location** | **Database Key** |
|---|---|
| Stevenson Pier Road | 209711205 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 10011693 | SILVER CREEK - SILVER CR. AT STEVENSONS PIER |

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

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| TWIN - DOOR - KEWAUNEE | AHNAPEE RIVER | DOOR |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| MARY GANSBERG | NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019 |

**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** ____ |
|---|---|---|---|
| 1 | 0.5 | 1 | |

**Reason For Sampling**

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

| **Water Temp. (C)** | **D.O. (mg/l)** | **D.O. (% sat.)** | **pH (su)** | **Conductivity (umhos/cm)** | **Transparency (cm)** |
|---|---|---|---|---|---|
| 13.8 | 3.8 | 37.0 | 7.6 | 586 | |

**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)** |
|---|---|---|
| | 0.5 | 8 |

**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 (%)** 10

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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 |
|---|---|---|
| Coash, Natalie | Dimick, Jeffrey | 7% |
| **Date Processed** | **Specimens Saved** | |
| 12/7/2019 | Subsample archived in ABL until Aug 2023 | |

A3 #139

**Wisconsin Department of Natural Resources**
ABL SampleNum: **20190930-15-12**
Taxonomist: Dimick, Jeffrey

Waterbody: **Silver Creek**
SWIMS Database Key: **209711205**



| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---|---|---|---|---|---|
| Baetis bonneicolor | L | IIII | 4 | Klub 2016 | | |
| B. flavistriga species complex | L | I | 1 | " | | |
| Maccaffertium vicarium | L | II | 2 | " | | |
| Stenacron | L | IIII | 4 | " | imm | |
| Ceratopsyche slossonae | L | 8-II | 37 | Schm Hils 1986 | | |
| Cheumatopsyche | L | or | 25 | Hils 1995 | | |
| Hydropsyche | L | III | 3 | " | imm | N |
| H. betteni | L | -IIII | 9 | Schm Hils 1986 | | |
| Philopotamidae | L | I | 1 | Hils 1995 | imm | |
| Dubiraphia | L | II | 2 | Hils Schm 1992 | | N |
| D. quadrinotata | A | I | 1 | " | | |
| Optioservus | L | OI | 21 | " | imm | N |
| O. fastiditus | L | - | 5 | " | | |
| Simulium tuberosum species complex | L | I | 1 | Adl et al 2004 | | |
| Antocha | L | I | 1 | Hils 1995 | | |
| Gammarus pseudolimnaeus | A | III | 3 | Hols 1972 | | |
| Caecidotea | A | II | 2 | Will 1972 | imm | |
| Hygrobates | A | I | 1 | Pluchino 1984 | | |
| Dugesiidae | A | -II | 7 | Thorp Rog 2016 | | |
| | | | | | | |
| Cricotopus | L | I | 1 | And+3 2013 | | |
| Eukiefferiella devonica group | L | I | 1 | " | | |
| cladotanytarsus | L | I | 1 | Epl et al 2013 | | |
| Paratanytarsus | L | I | 1 | " | not indet | Y |
| P. longistilus | L | II | 2 | " | | |
| Microtendipes pedellus group | L | I | 1 | " | | |
| Polypedilum (Uresipedilum) aviceps | L | III | 3 | Bolton 2012 | | |
| P.(U.) flavum | L | I | 1 | " | | |
| Rheotanytarsus | L | IIII | 4 | Epl et al 2013 | | |
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