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)** |
|---|---|---|
| UNNAMED | 1648400 | 20171025-32-01 |

| **Sampling Location** | **Database Key** |
|---|---|
| About 10m US of bridge in 1st riffle | 150022563 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 10014051 | CR 19-5(BREIDEL COULEE CR)STATION 1-1976-SE1/4 SW1/4 S18-STARTS 900' UPSTR |

| **Latitude** | **Longitude** | **Lat/Long Determination Method (circle)** | **Datum Used if using GPS** |
|---|---|---|---|
| 43.76879 | -91.14081 | SWIMS SWDV GPS | WGS84 or NAD83 |

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| BAD AXE - LA CROSSE | COON CREEK | LA CROSSE |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| CAMILLE BRUHN | WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS |

**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 | 1 of 1 |

**Reason For Sampling**

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

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

**Water Color**

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

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

- [ ] Slow (< 0.15 m/s)
- [X] 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)** | **Average Stream Width of reach (m)** |
|---|---|---|
| | 0.5 | 1.5 |

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

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 70

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

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

**Embeddedness of Substrate at Sample Site (%)** 5 **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 |
|---|---|---|
| **Biological** | | |
| Algae: - Diatoms / Periphyton | N | U |
| - Filamentous Algae | N | U |
| - Planktonic Algae | N | U |
| Iron Bacteria | N | U |
| Macrophytes | N | U |
| Slimes | N | U |
| Other - Specify: | | |
| **Physical** | | |
| Bank Erosion | PL | U |
| Channelization: - Upstream | N | U |
| - Downstream | N | U |
| Hydraulic Scour / Channel Incision | PL | U |
| Impoundment: - Upstream | N | U |
| - Downstream | N | U |
| Low Flow | N | U |
| Sedimentation | N | U |
| Sludge | N | U |
| Thermal | U | U |
| Turbidity | N | U |
| Other - Specify: | | |

| Factors that may be influencing Water Resource Integrity | Local | Water-shed |
|---|---|---|
| **Chemical** | | |
| Chlorine | U | U |
| Dissolved Oxygen | U | U |
| Nutrients (P, N...) | U | U |
| Toxics: - Inorganic (Metals) | U | U |
| - Organic (PCBs, pesticides...) | U | U |
| Other - Specify: | | |
| **Sources of Stream Impacts** | | |
| Bank Erosion | PL | U |
| Point Source - Specify: | N | U |
| Pasturing of Livestock | N | U |
| Runoff: - Barnyard | N | U |
| - Construction | N | U |
| - Cropland | PL | PL |
| - Urban | N | U |
| Septic Systems | U | U |
| Tile Drainage - Organic Soils | U | U |
| - Mineral Soils | U | U |
| Springs | U | U |
| Tributary(s) | U | U |
| Wetland | N | U |
| Other - Specify: | | |

Comments: Sampled mostly gravel substrate ~ 10 m US of bridge on Breidel Coulee Rd. Some rubble sampled too. Stream changed some (erosion/scour) after spring flooding event.

Special Instructions for Laboratory

## For Lab Use Only

| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Sam Lamarche | Dimick, Jeffrey | 13% |
| **Date Processed** | **Specimens Saved** | |
| 11/6/18 | Subsample archived in ABL until Jan 2022 | |

LB ID
75 72 147 total

**Wisconsin Department of Natural Resources**
ABL SampleNum: **20171025-32-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Cr 19-5 (Breidel Coulee Creek)**
SWIMS Database Key: **150022563**



| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---|---|---|---|---|---|
| Amphinemura | L | II | 2 | Wils 1995 | imm | |
| 1/1 Cinygma olivo | L | I | 1 | " | | |
| Baetis bonneicolor | L | -III | 8 | Rivd 2016 | | |
| 2/3 B. tricaudatus | L | XII | 12 | " | | |
| Hydropsyche | L | I | 1 | Wils 1995 | imm | N |
| H. betteni | L | III | 3 | Schm Wils 1986 | | |
| 1/8 Diplectrona modesta | L | - | 5 | Wils 1995 | | |
| ~~Cheumatopsyche~~ | ~~L~~ | ~~I~~ | | " | ~~imm~~ | ~~N~~ JJD |
| C. slossonae Ceratopsyche | L | II | 2 | Schm Wils 1986 | | |
| Oxyethira | L | II | 2 | Wils Schm 1992 | imm | N |
| O. fastidiosus L, 2 A, 1 | L, A | III | 3 | " | | |
| Lioclessus affinis | A | I | 1 | Wils 1994 | | |
| Chironomidae | L | I | 1 | Coult Mesr 2008 | | |
| Muscidae | L | I | 1 | Wils 1995 | | |
| Simulium tuberosum species complex | L | I | 1 | Adler et al 2004 | | |
| S. vittatum species complex 08110218 | L | -I | 6 | " | | |
| Dicranota | L | I | 1 | Wils 1995 | | |
| Tipula | L | I | 1 | " | | |
| | | | | | | |
| Gammarus pseudolimnaeus | A | 8 XIII | 54 | Wils 1972 | | |
| Caecidotea intermedia | A | XIIII | 14 | Will 1972 | | |
| Mermithidae | A | ( | 1 | Thorp Rog 2016 | imm | |
| Entomobryidae | A | ) | 1 | Christ Smrd 2008 | | |
| Physa | A | ( | 1 | Thorp Rog 2016 | | |
| | | | | | | |
| ~~Subfam Chironomidae~~ | ~~L~~ | ~~II WD~~ | | | | |
| Meropelopia | L | I | 1 | Cran Epl 2013 | | |
| Odontomesa | L | I | 1 | Saether Ander 2013a | imm | |
| Eukiefferiella claripennis group | L | II | 2 | Ander + 3 2013 | | |
| Chironomini 08330000 | L | 1 | 1 | Cranston 2013 | not indet | N |
| Micropsectra | L | ( | 1 | Epl et al 2013 | | |
| Polypedilum (Uresipedilum) aviceps | L | X III | 18 | Bolton 2012 | | |
| Rheotanytarsus | L | III | 3 | Epl et al 2013 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

3 taxa, TVAL ≤ 20

18 > (0.1 × 133)