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)** |
|---|---|---|
| Sandy Bay Creek | 90400 | 20191010-31-18 |

| **Sampling Location** | **Database Key** |
|---|---|
| Lakeshore Road | 209711197 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 10052986 | SANDY BAY CREEK AT LAKESHORE ROAD |

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

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| | | Kewaunee |

## 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** | |
|---|---|---|---|
| 1 | 1 | 1 | **Replicate No.**_____ **of** _____ |

**Reason For Sampling**

- [ ] Least Impacted Reference
- [ ] 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)** |
|---|---|---|---|---|---|
| 14.3 | 9.3 | 90.7 | 7.9 | 808 | |

**Water Color**

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

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

- [X] 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)** | **Average Stream Width of reach (m)** |
|---|---|---|
| | 0.2 | 4 |

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

Bedrock:_____ Boulders (basketball or larger):_____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 60

Sand: 30 Clay:_____ Silt/Muck:_____ Overhanging Vegetation:_____

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

**Embeddedness of Substrate at Sample Site (%)** 0 **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 | | |
| - Filamentous Algae | | |
| - Planktonic Algae | | |
| Iron Bacteria | | |
| Macrophytes | | |
| Slimes | | |
| Other - Specify: | | |
| **Physical** | | |
| Bank Erosion | | |
| Channelization: - Upstream | | |
| - Downstream | | |
| Hydraulic Scour / Channel Incision | | |
| Impoundment: - Upstream | | |
| - Downstream | | |
| Low Flow | | |
| Sedimentation | | |
| Sludge | | |
| Thermal | | |
| Turbidity | | |
| Other - Specify: | | |

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

Comments

Special Instructions for Laboratory

## For Lab Use Only

| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Sam Lamerche | Dimick, Jeffrey | 20% |
| **Date Processed** | **Specimens Saved** | |
| 3/4/20 | 137 total Subsample archived in ABL until Aug 2023 | |

A3 B2 E1
40 43 54 137 total

**Wisconsin Department of Natural Resources**
ABL SampleNum: **20191010-31-18**
Taxonomist: Dimick, Jeffrey

Waterbody: **Sandy Bay Creek**
SWIMS Database Key: **209711197**



| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---|---|---|---|---|---|
| Baetis brunneicolor | L | 35 | 35 | Klch 2016 | | |
| Allocapnia | L | 〃 | 2 | Hils 1995 | | |
| Cheumatopsyche | L | X | 10 | 〃 | | |
| Platycentropus | L | I | 1 | 〃 | | |
| Dubiraphia | L | -IIII | 9 | Hils Schm 1992 | | N |
| D. quadrinotata | A | IIII | 4 | 〃 | | |
| Optioservus | L | OIII | 22 | 〃 | imm | N |
| O. fastiditus L, 8 A, 4 | L, A | XII | 12 | 〃 | | |
| Probezzia | L | I | 1 | Hils 1995 | | |
| Chrysops | L | - | 5 | 〃 | | |
| Tipula | L | I | 1 | 〃 | | |
| Caecidotea intermedia | A | X-I | 16 | Will 1972 | | |
| Tubificinae (with hairs) | A | I | 1 | Klemm 1985 | | Y |
| Tubificinae (without hairs) | A | O-II | 27 | 〃 | | Y |
| Helobdella stagnalis species complex | A | 〃 | 2 | 〃 | | |
| Physa | A | XII | 12 | Thorp/Rog 2016 | | |
| Pisidium | A | -IIII | 9 | Mackie 2007 | | |
| | | | | | | |
| ~~Split As Chironomidae~~ | L | -JJJ | | | | |
| Cryptochironomus | L | I | 1 | Epl et al 2013 | | |
| Microtendipes pedellus group | L | -II | 8 | 〃 | | |
| Stictochironomus | L | IIII | 5 | 〃 | | |
| Thienemanniella group | L | II | 2 | Cran Epl 2013 | | |
| Thienemanniella | L | I | 1 | And + 3 2013 | dam | |
| Polypedilum (Uresipedilum) flavum | L | I | 1 | Bolton 2012 | | |