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)** |
|---|---|---|
| ONION RIVER | 51200 | 20181116-60-04 |

| **Sampling Location** | **Database Key** |
|---|---|
| @ KW, up and ds of bridge | 168915227 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 603349 | ONION RIVER - UPSTREAM OF CTH KW |

| **Latitude** | **Longitude** | **Lat/Long Determination Method (circle)** | **Datum Used if using GPS** |
|---|---|---|---|
| 43.58275 | -87.85038 | SWIMS (SWDV) GPS | (WGS84) or NAD83 |

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| SHEBOYGAN | ONION RIVER | SHEBOYGAN |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| CRAIG HELKER | ONION RIVER EASTERN DISTRICT TWA 2018 |

**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** ____ |
|---|---|---|---|
| 3 | 3 | | |

**Reason For Sampling**

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: TWA

| **Water Temp. (C)** | **D.O. (mg/l)** | **D.O. (% sat.)** | **pH (su)** | **Conductivity (umhos/cm)** | **Transparency (cm)** |
|---|---|---|---|---|---|
| 2.52 | 13.44 | 101.5 | | 723.7 | +120 |

**Water Color**

- [x] Clear
- [ ] Turbid
- [ ] 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 | **Average Stream Depth of reach (m)** | **Average Stream Width of reach (m)** |
|---|---|---|---|
| .72 | m/s **or** (f/s) | .7 | 9.97 |

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

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

**Embeddedness of Substrate at Sample Site (%)** 30 **Canopy Cover at Sample Site (%)** 50

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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

LC = 126

~~2B =~~ Total = 126

## For Lab Use Only

| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Murphy Steinhiser | Dimick, Jeffrey | 7% |
| **Date Processed** | **Specimens Saved** | |
| 4/3/2019 | subsample archived in ABL until Jan 2022 | |