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 | 1651500 | 20181031-32-10 |

| **Sampling Location** | **Database Key** |
|---|---|
| ~60m US of confluence with Bostwick Creek at YY | 169485284 |

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 10011179 | UNNAMED CREEK (TOLLEFSON COULEE CREEK - CR. 28-16) - STA 1- BEGINNING |

| **Latitude** | **Longitude** | **Lat/Long Determination Method (circle)** | **Datum Used if using GPS** |
|---|---|---|---|
| 43.82878 | -91.09329 | SWIMS SWDV GPS | WGS84 or NAD83 |

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| BAD AXE - LA CROSSE | LOWER LA CROSSE RIVER | LA CROSSE |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| CAMILLE BRUHN | BOSTWICK CREEK 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** |
|---|---|---|---|
| 1 | 1 | 1 | 1 / 1 |

**Reason For Sampling**

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

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

**Water Color**

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

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

- [X] 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)** |
|---|---|---|
| | 0.15 | 1.5 |

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

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

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 (%)** 10

| C1 | C3 | D3 | Total |
|---|---|---|---|
| 35 | 61 | 53 | 149 |
| 96 | | | |

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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 | N |
| - Planktonic Algae | N | N |
| Iron Bacteria | N | PL |
| Macrophytes | N | PL |
| Slimes | N | N |
| Other - Specify: | | |
| **Physical** | | |
| Bank Erosion | PH | PL |
| Channelization: - Upstream | N | PL |
| - Downstream | N | PL |
| Hydraulic Scour / Channel Incision | PL | PL |
| Impoundment: - Upstream | N | N |
| - Downstream | N | N |
| Low Flow | N | N |
| Sedimentation | PL | PH |
| Sludge | N | N |
| Thermal | U | N |
| Turbidity | N | PL |
| Other - Specify: | | |

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

Comments Sampled good riffle area with gravel & rubble. Stream has changed drastically since we sampled fish this summer. The banks are much more eroded in some areas and filled in in other areas.

Special Instructions for Laboratory

## For Lab Use Only

| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Joanna Erickson | Dimick, Jeffrey | 20% |
| **Date Processed** | **Specimens Saved** | |
| 5-8-19 | Subsample archived in ABL until Jul 2022 | |