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)** |
|---|---|---|
| TRAVERSE VALLEY CREEK | 1780500 | 20211102-06-04 |

**Sampling Location:** 10M US. from Bridge (Bragger farm) — **Database Key:** 296979481

| **SWIMS Station ID** | **SWIMS Station Name** |
|---|---|
| 063081 | TRAVERSE VALLEY CREEK - NORTH TRIBUTARY NEAR INDEPENDENCE WI |

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

| **Basin (WMU)** | **Watershed Name** | **County** |
|---|---|---|
| BUFFALO - TREMPEALEAU | MIDDLE TREMPEALEAU RIVER | BUFFALO |

## Sample and Site Descriptors

| **Sample Collector (Last Name, First)** | **Project Name** |
|---|---|
| KURT RASMUSSEN | TRAVERSE VALLEY CREEK TWA 2021 |

**Sampling Device**

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

**Habitat Sampled**

- [ ] Riffle
- [X] 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
- [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)** |
|---|---|---|---|---|---|
| 8.6 | 10.81 | 92.9 | 7.87 | 536 | 7120 |

**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)** |
|---|---|---|
| — | 0.2 | 6.5 |

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

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 10

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

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

**Embeddedness of Substrate at Sample Site (%)** 50 **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 | N | N | Chlorine | N | N |
| - Filamentous Algae | N | N | Dissolved Oxygen | N | N |
| - Planktonic Algae | N | N | Nutrients (P, N...) | N | PL |
| Iron Bacteria | N | N | Toxics: - Inorganic (Metals) | N | N |
| Macrophytes | N | N | - Organic (PCBs, pesticides...) | N | N |
| Slimes | N | N | Other - Specify: | N | N |
| Other - Specify: | — | — | **Sources of Stream Impacts** | | |
| | | | Bank Erosion | N | PL |
| **Physical** | | | Point Source - Specify: | N | N |
| Bank Erosion | N | PL | Pasturing of Livestock | N | PL |
| Channelization: - Upstream | PL | PH | Runoff: - Barnyard | N | PL |
| - Downstream | PL | PH | - Construction | N | N |
| Hydraulic Scour / Channel Incision | N | PL | - Cropland | PL | PH |
| Impoundment: - Upstream | N | N | - Urban | N | N |
| - Downstream | N | N | Septic Systems | N | N |
| Low Flow | N | N | Tile Drainage - Organic Soils | N | N |
| Sedimentation | PL | PH | - Mineral Soils | N | PL |
| Sludge | N | N | Springs | N | N |
| Thermal | N | N | Tributary(s) | N | N |
| Turbidity | N | N | Wetland | N | N |
| Other - Specify: | — | — | Other - Specify: | — | — |

Comments
THIS SAMPLE WAS COLLECTED IN A VERY SMALL STREAM COVERED COMPLETELY WITH REED CANARY GRASS.

Special Instructions for Laboratory

## For Lab Use Only

| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
|---|---|---|
| Katherine McClure | Dimick, Jeffrey | 18.9% |
| **Date Processed** | **Specimens Saved** | |
| 8/10/22 | Subsample archived until Oct 2025 | |

C393: 3 B191: 6 A494: 8 B393: C494: D494:
C391: 21 B192: 20 A491: 18 B391: C493: D491:
C392: 12 B194: 10 A492: 7 B392: C491: D492:
C394: 4 B193: 10 A493: 12 B394: C492: D493:

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**Wisconsin Department of Natural Resources**
ABL SampleNum: **20211102-06-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Traverse Valley Creek**
SWIMS Database Key: **296979481**



| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|---|---|---|---|---|---|
| Baetis tricaudatus | L | IIII | 4 | Kub 2016 | | |
| Ephemerella excrucians | L | III | 3 | " | | |
| Hesperophylax designatus | L | II | 2 | Hols 1995 | | |
| Limnephilus | L | II | 2 | MCB 2019 | | |
| Baetidae | L | I | 1 | " | mm | N |
| Helichus striatus | A | I | 1 | Hols Schm 1992 | | |
| Carabidae | L | I | 1 | MCB 2019 | | |
| Ceratopogon alicoidithorax | L | I | 1 | Hols 1995 | | |
| Bezzia/Palpomyia | L | II | 2 | " | | |
| Dixidae | P | I | 1 | MCB 2019 | | N |
| Dixa | L | III | 7 | " | | |
| Simulium tuberosum species complex | L | I | 1 | Adler et al 2004 | | |
| S. vittatum species complex OBILIO217 | L | I | 1 | " | | |
| Caloparyphus | L | II | 2 | MCB 2019 | | |
| Dicranota | L | IIII | 4 | " | | |
| Gammarus pseudolimnaeus | A | III | 7 | Hols 1972 | | |
| Hygrobates | A | II | 2 | Peck et al 1990 | | |
| Dugesiidae | A | XI | 11 | Thorp Rog 2016 | | |
| Physa | A | IIIII | 24 | " | | |
| Enchytraeidae | A | IIII | 5 | " | | |
| Megadrili | A | II | 2 | " | | |
| Naidinae | A | XIIII | 15 | Rath Ban 1998 | | |
| Tubificinae (with hairs) | A | I | 1 | " | | Y |
| Tubificinae (without hairs) | A | I | 1 | " | | Y |
| Harpacticoida | A | I | 1 | Thorp Rog 2016 | | |
| | | | | | | |
| ~~Split Aza Chironomidae~~ | ~~L~~ | ~~8X IIII~~ | | | | |
| ~~Split Azb Chironomidae~~ | ~~L~~ | ~~X IIII~~ | | | | |
| Brillia | L | XIIII | 14 | And et al 2013 | mm | N |
| B. flavifrons | L | XI | 11 | Epler 2001 | | |
| Corynoneura | L | II | 2 | And et al 2013 | | |
| Metriocnemus | L | X | 10 | " | | |
| Parametriocnemus | L | XI | 11 | " | | |
| Conchapelopia | L | I | 1 | " | | |
| Mesopelopia | L | II | 2 | " | | |
| Thienemanniella group | L | II | 2 | " | mm | N |
| Orthocladiinae | L | I | 1 | " | mm | N |

3 taxa, TVAL ≤ 2.0

10 < (0.1 × 115)

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|---|---|---|---|---|---|---|
| Eukiefferiella claripennis group | L | III | 3 | And et al 2013 | | |
| Limnophyes | L | XII | 12 | " | | |
| Paraphaenocladius | L | I | 1 | " | | |
| Smittia | L | IIII | 4 | " | | |
| Chironomini | L | I | 1 | " | damn | N |
| Micropsectra | L | XV | 15 | " | | |
| Paratanytarsus inopistilus | L | I | 1 | " | | |
| Paratendipes | L | I | 1 | " | | |
| Polypedilum (Polypedilum) illinoense group | L | I | 1 | Bolton 2012 | | |
| 3/10 Parachaetocladius | L | III | 3 | And et al 2013 | | |
| Tanytarsus | L | IIII | 4 | " | | |