

Instructions: Bold fields must be completed.

| Station Summary | | | |
|---|------------------------|--|--|
| Waterbody Name MENOMONEE RIVER | | Waterbody ID Code 16000 | Sample ID (YYYYMMDD-CY-FD) 20171013-41-01 |
| Sampling Location Rille ~ 110m us of SOS | | Database Key 67 149364541 | |
| SWIMS Station ID 10016339 | | SWIMS Station Name MENOMONEE RIVER - APPROX. 25 FT US OF LILAC RD AT SCHOEN LAUFEN PARK | |
| Latitude 43.21485 | Longitude -78.13952 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) MILWAUKEE RIVER | | Watershed Name MENOMONEE RIVER | County WASHINGTON |

| Sample and Site Descriptors | |
|---|--|
| Sample Collector (Last Name, First) CRAIG HELKER | Project Name MENOMONEE RIVER TWA 2017 |

Sampling Device

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

Habitat Sampled

Riffle Run Pool
 Other Shoreline Composite Proportionally-Sampled Habitat
 Littoral Zone Profundal Zone Wetland

| | | | |
|--------------------------------|---|--------------------------------|------------------------------|
| Total Sampling Time (min) 1 | Estimated Area Sampled (m ²) 1 | Number of Samples in Composite | Replicate No. _____ of _____ |
|--------------------------------|---|--------------------------------|------------------------------|

Reason for Sampling

Least Impacted Reference Baseline Impact / Treatment Site
 Control Site Trend Other: Men. River TWA

| | | | | | |
|--------------------------|---------------------|-----------------------|----------------|---------------------------------|--------------------------|
| Water Temp. (C) 15.09 | D.O. (mg/l) 6.05 | D.O. (% sat.) 61.8 | pH (su) 7.4 | Conductivity (umhos/cm) 1069 | Transparency (cm) ~80 |
|--------------------------|---------------------|-----------------------|----------------|---------------------------------|--------------------------|

Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)
 Slow (< 0.15 m/s) Moderate (0.15 m/s - 0.5 m/s) Fast (> 0.5 m/s)

| | | | |
|--------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Measured Velocity -15 | circle units m/s or f/s | Average Stream Depth of reach (m) | Average Stream Width of reach (m) |
|--------------------------|-----------------------------------|-----------------------------------|-----------------------------------|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20
 Sand: 30 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 (%) 20

D1=491 7% sort Kiersten Czarnecki
 Dimick, Jeffrey
 subsample archived in ABL until Sept 2021

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|--|------------|-------------|-------|---------------------|-----------|--------------|
| Baetis | L | 1 | 1 | Kluth 2016 | dam | N |
| B. flavistriga species complex | L | 1 | 1 | " | | |
| Hydropsychidae | L | III | 3 | Hils 1995 | imm | N |
| Cnemidopsycha | L | 888-IV | 128 | " | | |
| Hydropsyche | L | IIII | 4 | " | imm | N |
| H. betteni | L | 8III | 44 | Schm Hils 1996 | | |
| Hydropsila | L | I | 1 | Hils 1995 | | |
| Limnephilidae | L | I | 1 | " | | |
| Psychomyia flavida | L | I | 1 | " | | |
| Optioservus | L | III | 3 | Hils Schm 1992 | imm | N |
| O. fastidiosus | L | III | 3 | " | | |
| Stenelmis | L | - | 5 | " | | |
| Empididae | L | II | 2 | Cout Merr 2008 | dam | N |
| Uemeroptomyia | L | x-III | 19 | " | | |
| Simulium vittatum species complex 00110217 | L | II | 2 | Acker et al 2004 | | |
| Simulium | P | I | 1 | " | | N |
| Theremanniella | P | I | 1 | Ferr et al 2008 | | |
| Hyalella azteca | A | I | 1 | Soucek et al 2015 | | |
| Caeridopora | A | II | 2 | Will 1972 | imm | |
| Climacia areolaris | L | x-I | 16 | Hils 1995 | | |
| Egobdellidae | A | I | 1 | Davies 1991 | dam | |
| Gynaulus deflexus | A | I | 1 | Burch 1982 | | |
| Nydrobiidae | A | I | 1 | Brown 1991 | | |
| Sphaerium | A | x | 10 | Burch 1972 | | |
| Salix A3 Chironomidae | L | x-III | | | | |
| Pentaneura inornata | L | II | 2 | Cran, Epl 2013 | | |
| Orthocladinae 0930000 | L | I | 1 | Cranston 2013 | imm | N |
| Cricotopus / Orthocladus | L | II | 2 | Ferr et al 2008 | imm | N |
| Cricotopus (Cricotopus) bicinctus group | L | I | 1 | Ander + 3 2013 | | |
| C. (C.) fremulus group | L | I | 1 | " | | |
| Chironominae 08330000 | L | I | 1 | Cranston 2013 | imm | N |
| Micropsectra | L | L | 1 | Epl et al 2013 | | |
| Microtendipes pedellus group | L | 8II | 32 | " | | |
| Polypedium | L | I | 1 | " | mt indet | N |
| P. (Polypedium) illinoense group | L | -I | 6 | Bolton 2012 | | |
| P. (Tripodura) scalanum group | L | II | 2 | " | | |

< 3 taxa, TVAL ≤ 2.0

