

Instructions: Bold fields must be completed.

Station Summary

| | | | |
|--|---|---|--|
| Waterbody Name MENOMONEE RIVER | | Waterbody ID Code 16000 | Sample ID (YYYYMMDD-CY-FD) 20171012-41-03 |
| Sampling Location R. 1/110 e dog park | | | Database Key 149364533 |
| SWIMS Station ID 415004 | SWIMS Station Name MENOMONEE RIVER - US GOOD HOPE ROAD | | |
| Latitude 43.15077 | Longitude -88.05967 | 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 MILWAUKEE |

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) 14.24 | D.O. (mg/l) 9.02 | D.O. (% sat.) 90.5 | pH (su) 7.92 | Conductivity (umhos/cm) 1102 | Transparency (cm) 90 |
|--------------------------|---------------------|-----------------------|-----------------|---------------------------------|-------------------------|

| | |
|---|--|
| Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |
|---|--|

| | | |
|--|---|---|
| Measured Velocity .4 circle units m/s or (f/s) | Average Stream Depth of reach (m) .8 | Average Stream Width of reach (m) 10 |
|--|---|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 50
 Sand: 50 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50 Canopy Cover at Sample Site (%) 0

Sorter: Sam Lamacie
 Date sorted: 5/9/18
 Estimated sort: 70%

Dimick, Jeffrey
 subsample archived in ABC until Sept 2021

E1
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| Taxa | Life Stage | Benthic Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|---|------------|---------------|-------|---------------------|---------------|--------------|
| <i>Baetis intercalaris</i> | L | I | 1 | Klvh 2016 | | |
| <i>B. flavistriga</i> species complex | L | XI | 11 | " | | |
| <i>Heterocera</i> | L | " | 2 | West May 1996 | imm | |
| Hydropsychidae | L | I | 1 | Hils 1995 | imm | N |
| <i>Cheumatopsyche</i> | L | 0-11 | 27 | " | | |
| <i>Hydropsyche</i> | L | I | 1 | " | imm | N |
| <i>H. betteni</i> | L | -III | 9 | Schm Hils 1986 | | |
| <i>Ceratopsyche</i> | L | I | 1 | Hils 1995 | imm | |
| <i>Hydroptila</i> | L | " | 3 | " | | |
| Limnephilidae | L | I | 1 | " | imm | |
| <i>Selandria</i> | L | I | 1 | Hils Schm 1992 | | N |
| <i>S. crenata</i> | A | I | 1 | " | | |
| <i>Tupia</i> | L | I | 1 | Hils 1995 | | |
| <i>Parametriocnemus</i> | P | I | 1 | Ferr et al 2008 | | |
| <i>Tanytarsus</i> | P | I | 1 | " | | |
| <i>Hylella azteca</i> | A | III | 3 | Soucek et al 2015 | | |
| <i>Crangonyx</i> | A | I | 1 | Helsing 1972 | fem | |
| <i>Caecidotea</i> | A | I | 1 | Will 1972 | fem | |
| tubificoid Naididae w/o hairs | A | - | 5 | Ferr et al 2008 | | |
| split A3 Chironomidae | L | I-JD | | | | |
| Chironomidae 08250000 | L | I | 1 | Cart Merz 2008 | imm | N |
| <i>Conchapelona</i> | L | - | 5 | Cran Epl 2013 | | |
| <i>Thienemannimyia</i> group | L | " | 2 | " | imm | N |
| Orthocladinae 08300000 | L | " | 2 | Cranston 2013 | mt-insect/imm | Y |
| <i>Parametriocnemus</i> | L | I | 1 | Ander + 3 2013 | | N |
| <i>Cricotopus/orthocladus</i> | L | I | 1 | Ferr et al 2008 | imm | Y |
| <i>Cricotopus (Cricotopus) bicinctus</i> group | L | III | 3 | Ander + 3 2013 | | |
| Chironominae 08330000 | L | I | 1 | Cranston 2013 | dam | N |
| <i>Cladotanytarsus</i> | L | III | 3 | Epl et al 2013 | | |
| <i>Microtendipes pedellus</i> group | L | XIII | 14 | " | | |
| <i>Paratendipes</i> | L | I | 1 | " | | |
| <i>Polypedilum (Polypedilum) illinoense</i> group | L | III | 4 | Bolton 2012 | | |
| <i>P. (Tropodura) scalaeum</i> group | L | " | 2 | " | | |
| <i>P. (Uresipedilum) flavum</i> | L | 8-III | 38 | " | | |
| <i>Rheotanytarsus</i> | L | 01 | 21 | Epl et al 2013 | | |
| <i>Tanytarsus</i> | L | XII | 12 | " | | N |