

MEC-01

Instructions: Bold fields must be completed.

**Station Summary**

|                                       |                                   |   |
|---------------------------------------|-----------------------------------|---|
| <b>Waterbody Name</b><br>MELIUS CREEK | <b>Waterbody ID Code</b><br>32100 | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20201013-60-34 |
|---------------------------------------|-----------------------------------|---|

|                                       |                                  |
|---------------------------------------|----------------------------------|
| <b>Sampling Location</b><br>DS bridge | <b>Database Key</b><br>249875098 |
|---------------------------------------|----------------------------------|

|                                   |  |
|-----------------------------------|--|
| <b>SWIMS Station ID</b><br>603301 | <b>SWIMS Station Name</b><br>MELIUS CREEK AT STH 28 (BI SUR) |
|-----------------------------------|--|

|                            |                              |   |  |
|----------------------------|------------------------------|---|--|
| <b>Latitude</b><br>43.6199 | <b>Longitude</b><br>-88.0509 | <b>Lat/Long Determination Method (circle)</b><br>SWIMS (SWDV) GPS | <b>Datum Used if using GPS</b><br>WGS84 or NAD83 |
|----------------------------|------------------------------|---|--|

|                                       |   |                            |
|---------------------------------------|---|----------------------------|
| <b>Basin (WMU)</b><br>MILWAUKEE RIVER | <b>Watershed Name</b><br>NORTH BRANCH MILWAUKEE RIVER | <b>County</b><br>SHEBOYGAN |
|---------------------------------------|---|----------------------------|

**Sample and Site Descriptors**

|   |  |
|---|--|
| <b>Sample Collector (Last Name, First)</b><br>CRAIG HELKER<br>Schnitz, Amanda | <b>Project Name</b><br>MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATE |
|---|--|

**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

|                                       |  |                                       |  |
|---------------------------------------|--|---------------------------------------|--|
| <b>Total Sampling Time (min)</b><br>2 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>2 | <b>Number of Samples in Composite</b> | <b>Replicate No.</b> _____ <b>of</b> _____ |
|---------------------------------------|--|---------------------------------------|--|

**Reason For Sampling**

Least Impacted Reference     Baseline     Impact / Treatment Site  
 Control Site     Trend     Other: Milwaukee River Study

|                        |                    |                      |                |                                |                                |
|------------------------|--------------------|----------------------|----------------|--------------------------------|--------------------------------|
| <b>Water Temp. (C)</b> | <b>D.O. (mg/l)</b> | <b>D.O. (% sat.)</b> | <b>pH (su)</b> | <b>Conductivity (umhos/cm)</b> | <b>Transparency (cm)</b><br>75 |
|------------------------|--------------------|----------------------|----------------|--------------------------------|--------------------------------|

|  |   |
|--|---|
| <b>Water Color</b><br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | <b>Estimated Stream Velocity (m/s)</b><br><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) |
|--|---|

|  |   |   |
|--|---|---|
| <b>Measured Velocity</b><br>circle units<br>m/s or f/s | <b>Average Stream Depth of reach (m)</b><br>0.7 | <b>Average Stream Width of reach (m)</b><br>3 |
|--|---|---|

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

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 60  
Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: \_\_\_\_\_  
Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40    **Canopy Cover at Sample Site (%)** 40

Hydrolas malfunctioning