

Instructions: Bold fields must be completed.

**Station Summary**

|                                      |                                   |   |
|--------------------------------------|-----------------------------------|---|
| <b>Waterbody Name</b><br>ONION RIVER | <b>Waterbody ID Code</b><br>51200 | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20181116-60-02 |
|--------------------------------------|-----------------------------------|---|

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Sampling Location</b><br>R.M. | <b>Database Key</b><br>168915231 |
|----------------------------------|----------------------------------|

|                                     |  |
|-------------------------------------|--|
| <b>SWIMS Station ID</b><br>10031890 | <b>SWIMS Station Name</b><br>ONION RIVER - UPSTREAM OF RISSEEUW ROAD |
|-------------------------------------|--|

|                             |                              |  |  |
|-----------------------------|------------------------------|--|--|
| <b>Latitude</b><br>43.60277 | <b>Longitude</b><br>87.87245 | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV <u>GPS</u> | <b>Datum Used if using GPS</b><br>WGS84 or NAD83 |
|-----------------------------|------------------------------|--|--|

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

**Sample and Site Descriptors**

|  |  |
|--|--|
| <b>Sample Collector (Last Name, First)</b><br>CRAIG HELKER | <b>Project Name</b><br>ONION RIVER EASTERN DISTRICT TWA 2018 |
|--|--|

**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>1 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1 | <b>Number of Samples in Composite</b> | <b>Replicate No. _____ of _____</b> |
|---------------------------------------|--|---------------------------------------|-------------------------------------|

**Reason For Sampling**

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

|                                |                             |                               |                |   |                                 |
|--------------------------------|-----------------------------|-------------------------------|----------------|---|---------------------------------|
| <b>Water Temp. (C)</b><br>2.56 | <b>D.O. (mg/l)</b><br>13.63 | <b>D.O. (% sat.)</b><br>102.4 | <b>pH (su)</b> | <b>Conductivity (umhos/cm)</b><br>715.7 | <b>Transparency (cm)</b><br>120 |
|--------------------------------|-----------------------------|-------------------------------|----------------|---|---------------------------------|

|  |  |
|--|--|
| <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 checked="" 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>5<br>circle units<br>m/s or (f/s) | <b>Average Stream Depth of reach (m)</b><br>.7 | <b>Average Stream Width of reach (m)</b><br>8 |
|---|--|---|

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

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 30  
 Sand: 50 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: 20 Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 70    
**Canopy Cover at Sample Site (%)** 100

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                                     |   |   |
|-------------------------------------|---|---|
| Sample Sorter<br>Kiersten Czarnecki | Taxonomist<br>Dimick, Jeffrey                                   | Estimated Percent of Sample Sorted<br>20% |
| Date Processed<br>4/2/2019          | Specimens Saved<br>159 subsample archived on DB2 until Jun 2022 |   |

E3=56  
 A1=67  
 A3=28  
 E3  
 DT=  
 E2=  
 +8 = 1159