

Instructions: Bold fields must be completed.

| Station Summary                  |                             |  |
|----------------------------------|-----------------------------|--|
| Waterbody Name<br>MECAN RIVER    | Waterbody ID Code<br>155000 | Sample ID (YYYYMMDD-CY-FD)<br>20171017-70-04 |
| Sampling Location<br>US County B |                             | Database Key<br>149844311                    |

|  |  |   |
|--|--|---|
| SWIMS Station ID<br>10029345                     | SWIMS Station Name<br>MECAN RIVER AT CTH B |   |
| Latitude<br>N 44.02543                           | Longitude<br>W 89.43591                    | Lat/Long Determination Method (circle)<br>SWIMS SWDV <u>GPS</u> |
| Datum Used if using GPS<br><u>WGS84</u> or NAD83 |  |   |
| Basin (WMU)<br>UPPER FOX                         | Watershed Name<br>MECAN RIVER              | County<br>WAUSHARA  |

| Sample and Site Descriptors                        |  |
|--|--|
| Sample Collector (Last Name, First)<br>DAVID BOLHA | Project Name<br>MACROINVERTEBRATE SPATIAL ANALYSIS |

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)<br>1.0 | Estimated Area Sampled (m <sup>2</sup> )<br>0.5 | Number of Samples in Composite<br>1 | Replicate No. _____ of _____ |
|----------------------------------|---|-------------------------------------|------------------------------|

Reason For Sampling

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

|                                     |                     |                       |                 |                                  |                          |
|-------------------------------------|---------------------|-----------------------|-----------------|----------------------------------|--------------------------|
| Water Temp. (°C)<br>8.9°C<br>48.7 F | D.O. (mg/l)<br>9.28 | D.O. (% sat.)<br>79.9 | pH (su)<br>7.83 | Conductivity (umhos/cm)<br>370.8 | Transparency (cm)<br>120 |
|-------------------------------------|---------------------|-----------------------|-----------------|----------------------------------|--------------------------|

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

|                           |                                   |  |  |
|---------------------------|-----------------------------------|--|--|
| Measured Velocity<br>2.56 | circle units<br>m/s or <u>f/s</u> | Average Stream Depth of reach (m)<br>0.3 | Average Stream Width of reach (m)<br>7.0 |
|---------------------------|-----------------------------------|--|--|

Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 60

**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><i>Sam Lamark</i> | Taxonomist<br><i>Dimick Jeffrey</i>                                | Estimated Percent of Sample Sorted<br><i>70%</i> |
| Date Processed<br><i>11/15/18</i>  | Specimens Saved<br><i>Subsample archived in JBL until Feb 2022</i> |  |

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