

Instructions: Bold fields must be completed.

Station Summary

| | | | |
|----------------------------------------|------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------|
| Waterbody Name JERICHO CREEK | | Waterbody ID Code 768300 | Sample ID (YYYYMMDD-CY-FD) 20211105-68-07 |
| Sampling Location @ Rd X | | Database Key 290019603 | |
| SWIMS Station ID 10029291 | SWIMS Station Name JERICHO CREEK AT ROAD X | | |
| Latitude 42.915154 | Longitude -88.42452 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) FOX (IL) | | Watershed Name MUKWONAGO RIVER | County WAUKESHA |

Sample and Site Descriptors

| | |
|------------------------------------------------------------------------------|-----------------------------------------------------|
| Sample Collector (Last Name, First) RACHEL A SABRE, AMANDA SCHMITZ | Project Name MUKWONAGO RIVER TWA-_01_2021 |
|------------------------------------------------------------------------------|-----------------------------------------------------|

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) 2min | Estimated Area Sampled (m²) 1m ² | Number of Samples in Composite 1 | Replicate No. 1 of 1 |
|------------------------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------------|

Reason For Sampling

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

| | | | | | |
|--------------------------------|-------------------------|---------------------------|------------------------|----------------------------------------|---------------------------------|
| Water Temp. (C) 9.33 | D.O. (mg/l) — | D.O. (% sat.) — | pH (su) 7.41 | Conductivity (umhos/cm) 1108 | Transparency (cm) 120 |
|--------------------------------|-------------------------|---------------------------|------------------------|----------------------------------------|---------------------------------|

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

| | | |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| Measured Velocity <input checked="" type="checkbox"/> circle units m/s or f/s | Average Stream Depth of reach (m) .1m | Average Stream Width of reach (m) 3m |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10
 Sand: 5 Clay: _____ Silt/Muck: 65 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 30
Canopy Cover at Sample Site (%) 0

20211105-68-07
 Station #10029291
 1 of 1, Jericho Creek @ Road X
 WBIC #768300
 Rachel Sabre
 Mukwonago TWA_01_2021

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 | Watershed | Factors that may be influencing Water Resource Integrity | | Local | Watershed |
|----------------------------------------------------------|--|-------|-----------|----------------------------------------------------------|--|-------|-----------|
| Biological | | | | Chemical | | | |
| 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: | | | | Sources of Stream Impacts | | | |
| | | | | Bank Erosion | | | |
| | | | | Point Source - Specify: | | | |
| | | | | Pasturing of Livestock | | | |
| Physical | | | | 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 Katherine McClure | Taxonomist Dimick Jeffrey | Estimated Percent of Sample Sorted 20.3% |
| Date Processed 7/25/27 | Specimens Saved Subsample archived in AB L under Sept 2025 | |

C494:12 D191:7 A191:6 D393:16
 C493:6 D193:13 A194:11 B392:
 C492:12 D194:9 A192:7 D391:
 C491:8 D192:13 A193:6 D394:

126

| Taxa | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|------------------------------------------------|------------|------------------|-------|---------------------|-----------|--------------|
| <i>Baetis brunneicollis</i> | L | 1 | 1 | Klub 2016 | | |
| <i>Sigara mathesoni</i> | A | 1 | 1 | Hils 1984a | | |
| <i>Neophylax</i> | L | 1 | 1 | MEB 2019 | mm | |
| <i>Ophioservus</i> | L | 1 | 1 | " | mm | N |
| <i>O. fastiditus</i> | L | 1 | 1 | Hils Schm 1992 | | |
| <i>Stenelmis</i> | L | 11 | 2 | MEB 2019 | | |
| <i>Tropisternus glaber</i> | A | 1 | 1 | Hils 1995 C | | |
| <i>Colicoidea</i> | L | 1 | 5 | Hils 1995 | | |
| <i>Hemerodromia</i> | L | L | 1 | MEB 2019 | | |
| <i>Antocha</i> | L | 1 | 1 | " | | |
| <i>Nelius</i> | L | 1 | 1 | " | | |
| <i>Gammarus pseudolimnaeus</i> | A | Ø | 30 | Hols 1972 | | |
| <i>Dicranota</i> | L | 1 | 1 | MEB 2019 | | |
| <i>Caecidotea intermedia</i> | A | 1 | 5 | Will 1972 | | |
| <i>Pisidium</i> | A | 11 | 2 | Thorp Zog 2016 | | |
| <i>Naidinae</i> | A | 1 | 1 | Kath Brin 1998 | | |
| <i>Tubificinae (with hairs)</i> | A | 1 | 1 | " | | Y |
| <i>Tubificinae (without hairs)</i> | A | 111 | 4 | " | | Y |
| <i>Nyctobates</i> | A | 1 | 1 | Reck et al 1990 | | |
| <i>Spelaeonidae</i> | A | 1 | 1 | " | | |
| <i>Cyclopidae</i> | A | 1 | 1 | Thorp Zog 2016 | | |
| <i>Harpacticoida</i> | A | 1 | 1 | " | | |
| <i>Podocapida</i> | A | 111 | 3 | " | | |
| <i>Smittia chironomidae</i> | L | Ø 1111 1111 1111 | | | | |
| <i>Corynephra</i> | L | x111 | 13 | And et al 2013 | | |
| <i>Cladotanytarsus</i> | L | 0 | 25 | " | | |
| <i>Conchapelopia</i> | L | 1 | 1 | " | | |
| <i>Zarembkomyia</i> | L | 111 | 3 | " | | |
| <i>Cricotopus (Cricotopus) bicinctus group</i> | L | 1 | 1 | " | | |
| <i>Parametriocnemus</i> | L | 111 | 4 | " | | |
| <i>Thieremanniella xera</i> | L | 11 | 2 | Bolton 2012 | | |
| <i>Tvetenia hawaiiensis group</i> | L | 1 | 1 | Bode 1983 | | |
| <i>Micropsectra</i> | L | x1 | 15 | And et al 2013 | | |
| <i>Paratendipes</i> | L | 1111 | 9 | " | | |
| <i>Polypedilum (Uresipedilum) flavum</i> | L | 1 | 1 | Bolton 2012 | | |