

Instructions: **Bold** fields must be completed.

| Station Summary | | | |
|--|------------------------------|---|--|
| Waterbody Name YAHARA RIVER | | Waterbody ID Code 798300 | Sample ID (YYYYMMDD-CY-FD) 20171121-13-04 |
| Sampling Location <i>200m upstream of STH 19 - Old Boley Property Stream Crossing</i> | | | Database Key 151313802 |
| SWIMS Station ID 133039 | | SWIMS Station Name YAHARA RIVER AT STH 19 | |
| Latitude <i>43.19652</i> | Longitude <i>89.36112</i> | Lat/Long Determination Method (circle) SWIMS <u>(SWDV)</u> GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) LOWER ROCK | | Watershed Name YAHARA RIVER AND LAKE MENDOTA | County DANE |

| Sample and Site Descriptors | |
|--|---|
| Sample Collector (Last Name, First) MICHAEL SORGE | Project Name NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORING |

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) <i>4</i> | Estimated Area Sampled (m ²) <i>3</i> | Number of Samples in Composite <i>1</i> | Replicate No. _____ of _____ |
|---------------------------------------|--|--|------------------------------|

Reason For Sampling

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

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

| | |
|---|---|
| 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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |
|---|---|

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

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *80* Gravel (ladybug to tennisball): *10*
 Sand: *10* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) *0* Canopy Cover at Sample Site (%) *0*

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 |
|--|--|-------|------------|--|--|-------|------------|
| 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 | | | |
| Bank Erosion | | | | Runoff: - Barnyard | | | |
| Channelization: - Upstream | | | | - Construction | | | |
| - Downstream | | | | - Cropland | | | |
| Hydraulic Scour / Channel Incision | | | | - Urban | | | |
| Impoundment: - Upstream | | | | Septic Systems | | | |
| - Downstream | | | | Tile Drainage - Organic Soils | | | |
| Low Flow | | | | - Mineral Soils | | | |
| Sedimentation | | | | Springs | | | |
| Sludge | | | | Tributary(s) | | | |
| Thermal | | | | Wetland | | | |
| Turbidity | | | | Other - Specify: | | | |
| Other - Specify: | | | | | | | |

Comments

Special Instructions for Laboratory

For Lab Use Only

| | | |
|--------------------------------------|--|--|
| Sample Sorter <i>Kayla Wilson</i> | Taxonomist <i>Dimick, Jeffrey</i> | Estimated Percent of Sample Sorted <i>33%</i> |
| Date Processed <i>7/17/18</i> | Specimens Saved <i>Subsample archived in ABL until Nov 2021</i> | |

*D2=45 C1=33 B2=24 140
 E2=22 AF=16*