

Instructions: Bold fields must be completed.

Station Summary

| | | |
|---|------------------------------------|---|
| Waterbody Name YAHARA RIVER - WINDSOR CHANNEL | Waterbody ID Code 807300 | Sample ID (YYYYMMDD-CY-FD) 20181017-13-02 |
|---|------------------------------------|---|

| | |
|--|----------------------------------|
| Sampling Location 5 m downstream of Windsor Rd | Database Key 169819209 |
|--|----------------------------------|

| | |
|-------------------------------------|--|
| SWIMS Station ID 10010447 | SWIMS Station Name YAHARA RIVER - WINDSOR RD |
|-------------------------------------|--|

| | | | |
|-----------------------------|------------------------------|--|--|
| Latitude 43.21628 | Longitude 89.34966 | Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u> | 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) AMRHEIN, JAMES | 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) 2 | Estimated Area Sampled (m²) 2 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|---------------------------------------|--|--|--|

Reason For Sampling

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

| | | | | | |
|-------------------------------|-----------------------------|------------------------------|------------------------|---------------------------------------|--------------------------|
| Water Temp. (C) 8.2 | D.O. (mg/l) 10.98 | D.O. (% sat.) 93.3 | pH (su) 8.24 | Conductivity (umhos/cm) 730 | 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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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): 30 Gravel (ladybug to tennisball): 40
 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 (%)** 50

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: | | | |
| Physical | | | | 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 Logan Cutler | Taxonomist Dimick, Jeffrey | Estimated Percent of Sample Sorted 20% |
| Date Processed 6/14/19 | Specimens Saved 31 + 59 + 63 = 153 | |

E1 D3 A2
 Subsample archived in ABL until Aug 2022

