

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

**Station Summary**

<b>Waterbody Name</b> UNNAMED	<b>Waterbody ID Code</b> 799400	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181017-54-01
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<b>Sampling Location</b> 1 m upstream of W. Caledonia Rd	<b>Database Key</b> 169818592
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<b>SWIMS Station ID</b> 10051150	<b>SWIMS Station Name</b> UNNAMED TRIB (799400) TO YAHARA R AT W. CALEDONIA RD
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<b>Latitude</b> 42.8173	<b>Longitude</b> 89.1799	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER ROCK	<b>Watershed Name</b> YAHARA RIVER AND LAKE KEGONSA	<b>County</b> ROCK
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> AMRHEIN, JAMES	<b>Project Name</b> SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018
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**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> 5	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 10.1	<b>D.O. (mg/l)</b> 9.47	<b>D.O. (% sat.)</b> 84.1	<b>pH (su)</b> 7.8	<b>Conductivity (umhos/cm)</b> 650	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: 20 Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 50 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 <i>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>47%</i>
Date Processed <i>9/5/19</i>	Specimens Saved <i>19 + 15 + 19 + 22 + 12 + 16 + 22 = 125</i>	

*ci D2 A2 #3 D3 A1 C3 total*  
*Subsample analyzed in ABL water Nov 2022*

