

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 Bolig 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 (SWDV) 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 _____
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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)
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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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			
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 <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*

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	II	2	Klob 2016		
<i>B. flavistriga</i> group	L	I	1	"		
<i>Stenonema</i>	L	0-III	29	"	imm	N
<i>S. interpunctatum</i>	L	X	10	"		
<i>Leptophlebia</i>	L	I	1	"	dam	
<i>Chumatopsyche</i>	L	X-III	15	Hils 1995		
<i>Ceratopsyche branta</i>	L	-	5	Schm Hils 1986		
<i>Dubiraphia</i>	L	0-1	26	Hils Schm 1992		N
<i>D. minima</i>	A	III	3	"		
<i>Macronychus clabratus</i>	L	I	1	"		
<i>Optioseivus fastiditus</i>	L	II	2	"		
<i>Stenelmis</i>	L	X	15	"		
<i>Liodessus affinis</i>	A	I	1	Hils 1994		
<i>Probezzia</i>	L	II	2	Hils 1995		
<i>Mallochophleba</i>	L	I	1	"		
<i>Antocha</i>	L	I	1	"		
<i>Caecidotea intermedia</i>	A	0-III	22	Will 1972		
<i>Dugesia</i>	A	II	2	Thorp POC 2016		
<i>Orconectes virilis</i>	A	IV	2	Hobbs Jass 1968		
<i>Naidinae</i>	A	I	1	Brinkeld 1991		
<i>Tubificinae</i> (without hairs)	A	1	6	Kemm 1985		
<i>Actinobdella inequiannulata</i>	A	I	1	"		
<i>Physa</i>	A	III	3	Thorp POC 2016		
<i>Spiliza chironomidae</i>	L	I-III				
<i>Diamesa</i>	L	I	1	South Ander 2013		
<i>Parakiefferiella</i>	L	III	4	Ander + 3 2013		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	I	1	"		
<i>Chironomus</i>	L	I	1	Epl et al 2013		
<i>Dicentropus</i>	L	III	3	"		
<i>Microsetra</i>	L	-	5	"		
<i>Microtendipes pediculus</i> group	L	I	1	"		
<i>Rhyacotendipes sp. A</i>	L	I	1	Hils unpubl		
<i>Rhyacotendipes</i>	L	I	1	Epl et al 2013		