

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name YAHARA RIVER			Waterbody ID Code 798300		Sample ID (YYYYMMDD-CY-FD) 20181017-13-01	
Sampling Location Bolling Property (Dane Co) at old farm crossing					Database Key 169819130	
SWIMS Station ID 133039		SWIMS Station Name YAHARA RIVER AT STH 19				
Latitude 43.19650	Longitude 89.36123		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						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler Other: _____						
Habitat Sampled						
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) 5	Estimated Area Sampled (m²) 3		Number of Samples in Composite 1		Replicate No. _____ of _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend Other: _____						
Water Temp. (C) 8.3	D.O. (mg/l) 9.73	D.O. (% sat.) 82.8	pH (su) 8.15	Conductivity (umhos/cm) 705		Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained			<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 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): <u>80</u>		Gravel (ladybug to tennisball): <u>20</u>
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>0</u>				Canopy Cover at Sample Site (%) <u>0</u>		

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			
				Runoff: - Barnyard			
				- Construction			
				- Cropland			
				- Urban			
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
Bank Erosion				Springs			
Channelization: - Upstream				Tributary(s)			
- Downstream				Wetland			
Hydraulic Scour / Channel Incision				Other - Specify:			
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
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 44 + 44 + 72 = 160	

D3 C3 C1 Total
 Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	Klich 2016	dam	N
Baetis brunneicolor	L	11	2	"		
Heptageniidae	L	1	1	"	dam	N
Stenocranus	L	88-1	86	"	imm	N
S. interpunctatum	L	0	20	"		
Calopteryx maculata	L	1	1	West May 1996		
Cheumatopsyche	L	x-111	18	Hils 1995		
Hydropsyche betteni	L	1	1	Schm Hils 1986		
Ceratopsyche	L	1	1	Hils 1995	imm	N
C. bronata	L	-11	7	Schm Hils 1986		
C. glossonae	L	11	2	"		
C. sparna	L	1	1	"		
Dubicaphia	L	11	2	Hils Schm 1992		N
D. minima	A	111	3	"		
Macronychus glabratus	L	111	1	"		
Ophiocercus	L	11	2	"	imm	
Parakiefferiella	A	1	1	Ferr et al 2008		
Gammarus pseudolimnaeus	A	1	1	Hols 1972		
Cecidotea	A	11	2	Will 1972	Fem/imm	
Oreocetes rusticus	A	1	1	Hobbs Suss 1988		
O. virilis	A	1	1	"		
Corixidae	A	1	1	Hils 1995	imm	
Maidinae	A	-	5	Ben Gled 1991		
Tubificinae (without hairs)	A	11	2	Klemm 1985		
Ferrissia	A	1	1	Thorp Reg 2016		
Sphaerium	A	1	1	Mackie 2007		
Spittaz Chironomidae	L	1111-111				
Tipulidae	L	1	1	Hils 1995	dam	
Microtendipes pedellus group	L	11	2	Epl et al 2013		
Orthocladiinae	L	1	1	Coarston 2013	mt indet	N
Limnophyes	L	1	1	Brd + 3 2013		
Parakiefferiella	L	1	1	"		N
Rheocricotopus	L	1	1	"		
Cricotopus (Cricotopus) bimacrus group	L	1	1	"		
Dicrotendipes	L	1	1	Epl et al 2013		
Paratanytarsus	L	1	1	"	mt indet	

