

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name YAHARA RIVER - WINDSOR CHANNEL	Waterbody ID Code 807300	Sample ID (YYYYMMDD-CY-FD) 20171121-13-05
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Sampling Location 3 m downstream of Windsor Rd	Database Key 151313760
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SWIMS Station ID 10010447	SWIMS Station Name YAHARA RIVER - WINDSOR RD
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Latitude 43.21631	Longitude 89.34960	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER ROCK	Watershed Name YAHARA RIVER AND LAKE MENDOTA	County DANE
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Sample and Site Descriptors

Sample Collector (Last Name, First) MICHAEL SORGE	Project Name NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORING
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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

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 5.5	D.O. (mg/l) 14.1	D.O. (% sat.) 112.0	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input 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)
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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): 30 Gravel (ladybug to tennisball): 30
 Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 50 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>Kyle Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>7/17/16</i>	Specimens Saved <i>Subsample archived in ABZ until NOV 2021</i>	

CU=150

Wisconsin Department of Natural Resources
 ABL SampleNum: 20171121-13-05
 Taxonomist: Dimick, Jeffrey

Waterbody: Yahara River - Windsor Channel
 SWIMS Database Key: 151313760

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
^{1/3} Baetis tricaudatus	L		3	Kleb 2016		
B. flavistriga group	L		1	"		
Cnemidopyche	L	>	8	Hils 1995		
Hydropsyche betteni	L	x	11	Schm Hils 1986		
Ceratopyche	L		2	Hils 1995	imm	N
C. bronata	L	x	11	Schm Hils 1986		
^{2/16} C. sparna	L	x	13	"		
Hydropsychidae	L		1	Hils 1995	imm	N
Optioservus	L	x	16	Hils Schm 1992	imm	N
D. fastidius	L	x>	19	"		
Stenelmis	L		1	"		
Liodessus affinis	A		1	Hils 1994		
Simulium vittatum species complex 08110217	L	x-	15	Adl et al 2004		
Antocha	L		1	Hils 1995		
Dicranota	L		2	"		
Gammarus pseudolimnoides	A		1	Hils 1972		
Caeridotea intermedia	A		1	Will 1972		
Metasynphora	A		1			
Split by chironomidae	L					
Orthocladius 08300000	L		2	Cranston 2013	mt indet imm	N
Brillia	L		1	Ander+3 2013	imm	
Eukiefferiella	L		1	"	mt indet	N
Eu. claripennis group	L		4	"		
Eu. devonica group	L	x	11	"		
Anakiefferiella	L		1	"		
Parameletrocnemus	L		2	"		
Thienemanniella	L		1	"	imm	
Tvetenia hawaiiensis group	L	x>	17	Bede 1983		
Orthocladius (Orthocladius)	L		2	Ander+3 2013		
Cricotopus/Orthocladius	L		1	Ferr et al 2013		N
Polypedium (Uresipedium) flavum	L		1	Bolton 2012		
Eucetany tarsus	L	>	8	Epl et al 2013		

<3 taxa, TVAL ≤ 2.0