

Lower Rep

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST RIVER	Waterbody ID Code 118000	Sample ID (YYYYMMDD-CY-FD) 20171016-05-07
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Sampling Location Rep 1 30 m us Bridge	Database Key 149643436
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SWIMS Station ID 053675	SWIMS Station Name EAST RIVER - HWY G
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER FOX	Watershed Name EAST RIVER	County BROWN
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name UPPER EAST RIVER TWA 2017
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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) 3	Estimated Area Sampled (m²) 6	Number of Samples in Composite 1	Replicate No. 1 of 2
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Reason For Sampling

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

Water Temp. (C) 11.70	D.O. (mg/l) 8.6	D.O. (%sat.) 77.8	pH (su) 8.2	Conductivity (umhos/cm) .784	Transparency (cm) 48
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" 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 0.24	circle units m/s or f/s	Average Stream Depth of reach (m) 0.7	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 10 Clay: 30 Silt/Muck: 10 Overhanging Vegetation: 40
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 100 **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			
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 <i>Erika Carter</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>3/9/18</i>	Specimens Saved <i>subsample archived in ABC until May 2021</i>	

B1-176 E1-

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	III	3	Kluberhanz 2016		
Scenacoon	L	I	1	"	imm	
Enallagma	L	X	10	West May 1996	imm	
Coenagrion / Enallagma	L	XII	12	Schm. unpubl	imm	N
Hydropsyche	L	I	1	Hilsenhoff 1995		
Dubiraphia minima	A	II	2	Hilt, Schm. 1992		
Cyphon	L	I	1	Hilsenhoff 1995		
Phlyctidae	P	III	4	Men Webb 2008		
Paratanytarsus	P	I	1	Fern et al. 2008		
Hydrella azteca	A	III	3	Soucek et al 2015		
Dugesidae	A	-	5	Norena et al 2016		
Asperocaris atopocantha	A	I	1	Hilsenhoff 1984a		
Trichocerca sp. 1	A	I	1	"		
Maldane	A	II	3	Ersev, Gustav. 2012		
Physa	A	-II	7	Zegers 2016		
Sp. 13 Chironomidae	L	III	3	JP		
Gonaplectan	L	II	2	Cran, Epler 2013		
Zanreimyia	L	-I	6	Sivan, Epler 2015		
Abia besmyia (Ptilabesmyia)	L	I	1	Cran, Epler 2013	imm	
Procladius	L	III	3	"		
P. (Holo tanytus)	L	III	3	"		
Thremmannimyia group	L	III	4	"	imm	N
Gymnenua	L	I	1	Ander + 3 2013		
Chironominae 08330000	L	XI	15	Cranston 2013	und. det	N
Chironomus	L	II	2	Epler et al 2013		
Dicrotendipes	L	-III	9	"		
Endochironomus	L	-II	7	"	imm	N
E. nigricans	L	X-III	18	Bolton 2012		
Glyptotendipes	L	I	1	Epler et al 2013		
Microsetra	L	XI	15	"		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus	L	X-III	18	"	und. det	N
P. sp. A	L	8I	41	Hilsenhoff unpubl		
Polypedium	L	I	1	Epler et al 2013	imm	N
A. (Polypedium) fallax group	L	I	1	Bolton 2012		
P. (P.) illinoense group	L	X-III	18	"		

