

Mid 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) 20171016-05-11
Sampling Location 25 m DS Bridge		Database Key 149643448

SWIMS Station ID 053509	SWIMS Station Name EAST RIVER - WRIGHTSTOWN RD		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER FOX	Watershed Name EAST RIVER		County BROWN

Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name UPPER EAST RIVER TWA 2017

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) 6	Estimated Area Sampled (m ²) 10	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) 11.1	D.O. (mg/l) 7.1	D.O. (% sat.) 66.4	pH (su) 8.0	Conductivity (umhos/cm) 738	Transparency (cm) 3.9
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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 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 0.12 circle units m/s or f/s	Average Stream Depth of reach (m) 0.75	Average Stream Width of reach (m) 8.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: 50
Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: 10 Other (): _____

Embeddedness of Substrate at Sample Site (%) 100 Canopy Cover at Sample Site (%) 20

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>Taylor Hase</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>100%</i>
Date Processed <i>3-12-18</i>	Specimens Saved <i>Subsample archived in ABL until May 2021</i>	

C3 6
#1 + B2:10
A3+B3: 15
Full sort:
11
46
88
21
109
109
+ 13
122

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Dubiraphia vittata</i>	A	1	1	Hils. Schm. 1992		
<i>Gyrinus leontei</i>	A	-	5	Hilsenhoff 1990		
<i>G. maculiventris</i>	A	211	23	"		
<i>Liodesmus affinis</i>	A	8-	45	Hilsenhoff 1994		
<i>Hygrotus sayi</i>	A	"	2	"		
<i>Andrena lutescens</i>	A	"	2	Hilsenhoff 1995b		
<i>Laccobius reflexipennis</i>	A	1	1	Hilsenhoff 1995c		
<i>Tropisternus glaber</i>	A	1	1	"		
<i>Laccophilus maculosus</i>	A	1	1	Hilsenhoff 1992		
Cyphon	L	x	10	Hilsenhoff 1995		
Staphylinidae	A	"	2	White, Ranch. 2008		
<i>Hydrophilus lineatus</i>	A	1	1	Hilsenhoff 1995b		
<i>Hydrophilus Hydrophilus</i>	A	1	1	"		
<i>Probezzia</i>	L	1	1	Hilsenhoff 1995		
<i>Malleochloeka</i>	L	1	1	"		
Ephydriidae	P	-111	8	Mem. Webb 2008		
<i>Pericoma</i>	L	"	3	Hilsenhoff 1995		
Erioptera	L	1	1	"		
<i>Pilaria</i>	L	1	1	"		
<i>Topula</i>	L	1	1	"		
Culicidae	P	1	1	Mem. Webb 2008	dam	N
<i>Anopheles</i>	L	111	3	Wall, Walk 2008		N
<i>Anopheles</i>	P	111	3	"		
Tanypterinidae	P	1	1	Fern. et al. 2008	dam	N
<i>Caecidotea intermedia</i>	A	820111	104	Williams 1972		
<i>Ceris comatus</i>	A	1	1	Hilsenhoff 1996		
<i>Belostoma flumineum</i>	A	1	1	Hilsenhoff 1994a		
<i>Hesperocera michiganensis</i>	A	"	2	"		
<i>Sigara bicoloripennis</i>	A	1	1	"		
<i>S. grossolineata</i>	A	"	2	"		
<i>Tropocera calva</i>	A	1	1	"		
<i>Ranatra fusca</i>	A	111	3	"		
Cyclopidae	A	111	4	Williams 1991		
Daphniidae	A	-11	7	Dods, Frey 1991		
<i>Eubryophrympha</i>	A	1	1	Christ, Snider 2008		
Enchytraeidae	A	1	1	Bain, Brink. 2016		
Naididae	A	1	1	Ersev, Luskov. 2002		

