

Lower Rep

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name EAST RIVER	Waterbody ID Code 118000	Sample ID (YYYYMMDD-CY-FD) 20171016-05-08
Sampling Location 80 m US Bridge		Database Key 149840897

SWIMS Station ID 053675	SWIMS Station Name EAST RIVER - HWY G		
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) 3	Estimated Area Sampled (m ²) 6	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>2</u>
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Reason for Sampling

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

Water Temp. (C) 11.7	D.O. (mg/l) 8.6	D.O. (%sat.) 79.8	pH (su) 8.2	Conductivity (umhos/cm) .974	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 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 0.17	circle units m/s or f/s	Average Stream Depth of reach (m) 0	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: 10 Silt/Muck: _____ Overhanging Vegetation: 80
 Aquatic Macrophytes: _____ Leaf Snags: 10 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			
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>Erika Cartee</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>3/9/19</i>	Specimens Saved <i>Subsample archived in ABC until May 2021</i>	

*E1 - MRA
116*

D2 - 103

219

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	xiii	18	Klubertanz 2016		
Coenagrionidae	L	-	5	West, May 1996	imm	N
Enallagma	L	-1	6	"	imm	
Coenagrion/Enallagma	L	xiiii	14	Schm. unpubl.	imm	N
Hydroptila	L	-	5	Hilsenhoff 1995		
Dibicaphia	L	1	1	Hils, Schm. 1992		N
O. minima	A	1	1	"		
Ephydriidae	P	1	1	Meir, Webb 2008		
Anopheles	L	11	2	Hilsenhoff 1995		
Parakiefferiella	P	1	1	Ferr. et al. 2008		
Tanytarsus	P	1	1	"		
Amphipoda Malacostraca	A	1	1	Rogers 2016		
Gammarus pseudolimnoides	A	-1	6	Hilsinger 1972		
Isyalella azteca	A	iiii	4	Soucek et al 2015		
Coleoidotea	A	1	1	Williams 1972	imm	
Dugesidae	A	-1	6	Norena et al 2016		
Rhinotermes palosi	A	11	2	Hilsenhoff 1986		
Neserocaris abundantia	A	1	1	Hilsenhoff 1986		
H. michiganensis	A	iii	3	"		
Trichocaris sexcrista	A	1	1	"		
Daphniidae	A	iii	3	Dods, Frey 1991		
Naididae	A	2-1	36	Ersev, Gustav 2002		
Fossaria	A	1	1	Rogers 2016		
Physa	A	-1	6	"		
Gyraulus deflectus	A	iii	3	Burch 1982		
Split 1/3 Chironomidae	L	iiii	11			
Tanyptera 08270000	L	1	1	Crawford 2013	dam	N
Conchapelopia	L	1	1	Crawford 2013		
Thienemannimyia	L	1	1	"		
Zavrelimyia	L	iiii	4	Silva, Ekrem 2015		
Ablabesmyia (Ablabesmyia) mallaichi	L	1	2	Epler 2001		
Procladius	L	11	2	Crawford, Epler 2013	imm	N
P. (Holotanyptus)	L	11	2	"		
Thienemannimyia group	L	iiii	4	"	imm	N
Baillia flaviventris	L	1	1	Epler 2001		
Comptosia	L	11	2	Anderson 2013		

