

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED		Waterbody ID Code 120500	Sample ID (YYYYMMDD-CY-FD) 20171016-05-02
Sampling Location 15 m D3			Database Key 149643468
SWIMS Station ID 053537		SWIMS Station Name EAST RIVER UNNAMED TRIB TO - HWY 96	
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
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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) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Targeted watershed Assessment

Water Temp. (C) 9.8	D.O. (mg/l) 9.81	D.O. (%sat.) 88.9	pH (su) 8.22	Conductivity (umhos/cm) 874	Transparency (cm) 60
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Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 40
 Sand: 60 Clay: 10 Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 50
Canopy Cover at Sample Site (%) 30

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			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			
Physical							
Bank Erosion							
Channelization: - Upstream							
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick, Jeffrey	7%
Date Processed	Specimens Saved	
3/16/2018	Subsample archived in ABC until May 2021	

C2=183

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	I	1	Nilsenhoff 1995		
Baetis flavistriga	L	I	1	Kühnert et al 2016		
Stenonema intermedium	L	I	1	"		
Onemastopseche	L	X-III	20	Nilsenhoff 1995		
Hydropsyche betteni	L	X-III	17	Schm, Wils. 1986		
Pycnopsyche	L	I	1	Nilsenhoff 1995		
Ditropis	L	-III	8	WKB, Schm. 1992	imm	N
D. fastidius	L, A	I, II	27	"		
Neoplasta	L	I	1	Coomb, Meir. 2008		
Simulium jenningsi species group	L	I	1	Adler et al 2004		
Tipula	L	I	1	Nilsenhoff 1995		
Dicranota		I	1	"		
Gammarus pseudolimnæus	A	III	4	Holsinger 1972		
Caecidotea intermedia	A	Bull	44	Williams 1972		
Sigara alternata	A	I	1	Nilsenhoff 1984a		
Amphipod Naucidae w/ hair chaetæ	A	I	1	Pruss et al 2008		
Conchapelonia	L	II	2	Coomb, Epler 2013		
Brillia	L	II	2	Anders + 3 2013	mt indet	
Corynura	L	II	2	"		
Parakiefferiella	L	I	1	"		
Parametriocnemus	L	-	5	"		
Tritentia bayarea group	L	II	2	Bode 1983		
Orthocladus (Orthocladus)	L	II	2	Anders + 3 2013		
Cricotopus/Orthocladus	L	II	2	Ferr. et al. 2008	dam	N
Chironomidae PB330000	L	I	1	Granston 2013	mt indet	N
Chironomus	L	-	5	Epler et al 2013		
Cladotanytarsus	L	I	1	"		
Cryptochironomus	L	-II	7	"		
Microsectra	L	-I	6	"		
Microtendipes pedellus group	L	-III	9	"		
Paratendipes	L	I	1	"		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (Uresipedilum) aviceps	L	-II	7	"		
P. (U.) flavum	L	I	1	"		
Streblochironomus	L	II	2	Epler et al 2013		