

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED #4	Waterbody ID Code 120500	Sample ID (YYYYMMDD-CY-FD) 20171016-05-03
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Sampling Location 20 m U)	Database Key 149643476
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SWIMS Station ID 10017224	SWIMS Station Name TRIB. TO EAST RIVER-100 FEET ABOVE BRIDGE OFF FAIR RD.
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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) 2	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) 9.93	D.O. (mg/l) 9.41	D.O. (%sat.) 83.4	pH (su) 8.05	Conductivity (umhos/cm) 904	Transparency (cm) 38
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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 circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 3.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10
 Sand: 30 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 50 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 70

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>Kayla Wilce</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>3/8/2018</i>	Specimens Saved <i>subsample archived in BCL until May 2021</i>	

A3 = 210

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis bannariolar</i>	L	I	1	Kubertanz 2016		
<i>Rheumatopsyche</i>	L	0-1	31	Hilsenhoff 1985		
<i>Hydropsyche hofferi</i>	L	II	2	Schm. Wils. 1986		
<i>Dubiraphia</i>	L	I	1	Hilsy Schm. 1982		
<i>O. fastiditus</i> L, S A, Z	L, A	-II	4	"	imm	N
<i>Tipula</i>	L	0-1	16	Hilsenhoff 1985		
<i>Corynoneura</i>	P	I	1	Ferr. et al. 2008		
<i>Limnophyes</i>	P	I	1	"		
<i>Polypedium</i>	P	I	1	"		N
<i>Gammarus pseudolimnaeus</i>	A	II	2	Holsinger 1972		
<i>Caeridotea intermedia</i>	A	0-II	27	Williams 1972		
<i>Naididae</i>	A	I	1	Ersev. Austen 2002		
<i>Whitford Naididae w/ hair chaetae</i>	A	II	2	Ersev et al 2008		
<i>Psidium</i>	A	I	1	Burch 1972		
<i>Chironomidae</i>	L	III				
<i>Orthocladiinae</i> 0830000	L	I	1	Cranston 2013	imm	N
<i>Brillia</i>	L	III	4	Ander + 3 2013	imm	N
<i>B. flavifrons</i>	L	III	3	Epler 2001		
<i>Parametriocnemus</i>	L	-III	9	Ander + 3 2013		
<i>Thienemannella xera</i>	L	I	1	Bolton 2012		
<i>Ivetenia bavarrica</i> group	L	III	4	Bode RB3		
<i>Chironominae</i> 0833000	L	I	1	Cranston 2013	mt-indet	N
<i>Cladotanytarsus</i>	L	II	2	Epler et al 2013		
<i>Micropsoceta</i>	L	-I	6	"		
<i>Paratanytarsus</i> sp. A	L	I	1	Hilsenhoff 1985		
<i>Polypedium</i>	L	I	1	Epler et al 2013	imm	N
<i>P. (Polypedium) illinoense</i> group	L	0-1	15	Bolton 2012		
<i>P. (P.) laetum</i>	L	II	2	"		
<i>P. (Triopodura) scaberrum</i> group	L	III	3	"		
<i>P. (Vesipedium)</i>	L	II	2	Epler et al 2013	mt-indet	N
<i>P. (V.) aviceps</i>	L	0-II	17	Bolton 2012		
<i>P. (V.) flavum</i>	L	0-1	25	"		
<i>Paratenidines</i>	L	II	2	Epler et al 2013		
<i>Rheotanytarsus</i>	L	-I	6	"		
<i>Tanytarsus</i>	L	I	1	"		