

Instructions: Bold fields must be completed.

20171012-05-03

Station Summary

Waterbody Name EAST RIVER #15	Waterbody ID Code 118000	Sample ID (YYYYMMDD-CY-FD) 20171012-05-03
Sampling Location		Database Key 149643452

SWIMS Station ID 10049256	SWIMS Station Name EAST RIVER 10M US CTH Z			
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 (m²) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

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

Water Temp. (C) 12.69	D.O. (mg/l) 7.13	D.O. (%sat.) 66.9	pH (su) 8.14	Conductivity (umhos/cm) 856	Transparency (cm) 7122
---------------------------------	----------------------------	-----------------------------	------------------------	---------------------------------------	----------------------------------

Water Color <input checked="" type="checkbox"/> Clear <input 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)
--	--

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m) 4.0m
--	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 5 Rubble (tennisball to basketball): 35 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: 10 Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 11 Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 30 Canopy Cover at Sample Site (%) 50

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			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>75%</i>
Date Processed <i>3/18/18</i>	Specimens Saved <i>Subsample archived in ABL until May 2021</i>	

A3 = 325

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allopanna	L	01111	27	Nilssonhoff 1985		
Baetis brunneicolor	L	-111	8	Kluebert et al 2016		
B. flavistriga species complex	L	-111	8	"		
Maccaffertium vicarium	L	1111	4	"		
Hydropsychidae	L	1	1	Nilssonhoff 1985	imm	N
Cheumatopsyche	L	011	42	"		
Hydropsyche	L	1	1	"	imm	N
H. betteni	L	011	42	Schm. Hils. 1986		
Ephioservus	L	001	71	Hils. Schm. 1992	imm	N
P. fusciditus L, 20 A, 4	L/A	0111	24	"		
Stenelmis	L	-11	7	"		
Hemerodromia	L	1	1	Card. Merr 2003		
Muscidae	L	1	1	"		
Simulium vittatum species complex 08110217	L	1	1	Auer et al 2004		
S. pilosum	L	1	1	"		
S. emmisi species group	L	-	5	"	imm	
Tretenia	P	1	1	Fers. et al. 2008		N
Tipula	L	-11	7	Nilssonhoff 1985		
Hygrobatas	A	1	1	Pluckhans 1984		
Salix Chironomidae	L	11111				
Conchapelopia	L	111	4	Cran. Epler 2013		
Eukiefferiella clarensis group	L	1	1	Ander. t3 2013		
Thienemannimyia group	L	1	1	Cran. Epler 2013		
Parakiefferiella	L	1	1	Ander. t3 2013		
Parametrioconemus	L	11	2	"		
Tretenia hawaiiensis group	L	-1	6	Bale 1983		
Chironomine 08330000	L	1	1	Cranston 2013	imm	N
Micropsectra	L	-	5	Epler et al 2013		
Microtendipes pedellus group	L	01	31	"		
Polypedium (Polypedium) illinoense group	L	1	1	Bolton 2012		
P. (P.) laetum group	L	1	1	"		
P. (Uresipedilum)	L	1	1	Epler et al 2013	imm	N
P. (U.) aviceps	L	-1111	9	Bolton 2012		
P. (U.) flavum	L	x-1	16	"		
Rheotanytarsus	L	-	5	Epler et al 2013		

< 3 taxa, TVAL ≤ 2.0