

#17 Rep

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST RIVER		Waterbody ID Code 118000	Sample ID (YYYYMMDD-CY-FD) 20171012-05-02
Sampling Location 80 m DS 3rd P.F. DS			Database Key 149840905
SWIMS Station ID 10049258		SWIMS Station Name EAST RIVER 10M US MAN CAL 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 CALUMET

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 2
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Reason For Sampling

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

Water Temp. (C) 12.08	D.O. (mg/l) 8.71	D.O. (%sat.) 82.4	pH (su) 8.41	Conductivity (umhos/cm) .838	Transparency (cm) >122
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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) .05	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 50
 Sand: 15 Clay: 5 Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 60

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 Carter</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>2/27/18</i>	Specimens Saved <i>Subsample archived in ABC until May 2021</i>	

E3-345

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allopannia</i>	L	xiii	13	Hilsenhoff 1995		
<i>Baetis brunneicolor</i>	L	-iiii	9	Kluberlanz 2016		
<i>Macafermium vicarium</i>	L	x-	15	"		
<i>Cheumatopsyche</i>	L	BBB-iii	178	Hilsenhoff 1995		
<i>Hydropsyche</i>	L	iii	3	"	imm	N
<i>H. betteni</i>	L	0-iii	30	Schm., Hils. 1986		
Limnophilidae	L	"	2	Hilsenhoff 1995	imm	
<i>Optiosevus</i>	L	0-	25	H.B. Schm. 1992	imm	N
<i>P. fastidiosus</i> L56 A.3	LA	20-iiii	69	"		
<i>Stenelmis</i>	L	-iii	8	"		N
<i>S. crenata</i>	A	1	1	"		
<i>Gymbrachia minima</i>	A	1	1	Hilsenhoff 1995		
<i>Simulium</i>	L	1	1	Ader et al 2014	imm	N
<i>S. tuberosum</i> species group	L	1	1	"		
<i>S. jenningsi</i> species group	L	1	1	"		
<i>Dixonia</i>	L	ii	2	Hilsenhoff 1995		
<i>Idemecodromia</i>	L	1	1	Couch, Merr. 2008		
<i>Gammarus pseudolimnaeus</i>	A	ii	2	Holsinger 1972		
<i>Caecidotea</i>	A	1	1	Williams 1972	fem	
Mermithidae	A	1	1	Poirar 2016	imm	
Hydrificoid Naididae w/ hair chaetae	A	0iii	23	Ersev et al 2008		Y
Hydrificoid Naididae w/ hair chaetae	A	-	5	"		Y
Megadrili	A	1	1	Barn, Brink 2016		
<i>Sphaerium</i>	A	-1	6	Burch 1972		
Split A3 Chironomidae	L	iii-JD				
<i>Comptosia</i>	L	vi	3	Ander+3 2013		
<i>Microtendipes pedellus</i> group	L	iii	3	Epler et al 2013		
<i>Procladius</i>	L	1	1	Com, Epler 2013		
<i>Natarsia baltimorea</i>	L	1	1	Epler 2001		
<i>Brillia</i>	L	x	10	Ander+3 2013	mt-indet/imm	N
<i>B. flavifrons</i>	L	-	5	Epler 2001		
<i>Eukiefferella claspensis</i> group	L	1	1	Ander+3 2013		
<i>Parametrioctenurus</i>	L	iiii	4	"		
<i>Thienemannella</i>	L	1	1	"	imm	
<i>Tvetenia baueri</i> group	L	-	5	Bode 1983		
<i>Nanocladius</i> (<i>Nanocladius</i>)	L	1	1	Ander+3 2013	imm	

