

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name MILL BROOK			Waterbody ID Code 769400		Sample ID (YYYYMMDD-CY-FD) 20181115-68-05
Sampling Location				Database Key 169406748	
SWIMS Station ID 10030863		SWIMS Station Name MILL BROOK DS OF CTH XX			
Latitude 42.918163	Longitude -88.265366	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) FOX (IL)		Watershed Name MIDDLE FOX RIVER - ILLINOIS		County WAUKESHA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) RACHEL SABRE			Project Name MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle		<input type="checkbox"/> Run		<input type="checkbox"/> Pool	
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland	
Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1 m ²		Number of Samples in Composite 1		Replicate No. 1 of 1
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: TWA middle Fox	
Water Temp. (C) 2.92	D.O. (mg/l) 13.7	D.O. (% sat.) 100.4	pH (su) 8.20	Conductivity (umhos/cm) 1125	Transparency (cm) 120
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) 0.15		Average Stream Width of reach (m) 5m.	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 10%	
Sand: 40%		Clay: _____		Silt/Muck: 10%	
Aquatic Macrophytes: _____		Leaf Snags: 10%		Coarse Woody Debris: 10%	
Embeddedness of Substrate at Sample Site (%) 20%		Canopy Cover at Sample Site (%) 30%			

**Mill Brook DS CTH XX
 Station #10030863
 Sample 1 of 1
 Rachel Sabre
 20181115-68-05**

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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
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

IB = 102
 3A = 136
~~3D =~~
 Total = 238

For Lab Use Only

Sample Sorter Murphy Stehinger	Taxonomist Orinok Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4/26/2019	Specimens Saved Subsample archived in ABC until Jul 2022	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocaenia	L	1	1	Hils 1995		
Plecoptera	L	11	2	"	dam/imm	Y N
Isoperla	L	1	1	"	imm	
Baetis brunneicolor	L	1	1	Kub 2016		
B. intercalaris	L	1	1	"		
B. flavistriga species group	L	11	2	"		
Diphetera hageni	L	XI	11	"		
Stenacron	L	1	1	"	imm	
Chumatopsyche	L	III	34	Hils 1995		
Hydropsyche	L	11	2	"	imm	N
H. betteri	L	01	21	Schm Hils 1996		
Ceratopsyche slossonae	L	-111	9	"		
Optioservus	L	XI	31	Hils Schm 1992	imm	N
O. fastidius L. 4 A. 3	LA	11	7	"		
Stenelmis	L	1	1	"		
Nemserdromia	L	111	3	Court Marc 2008		
Neoplasta	L	1	1	"		
Simulium vittatum species complex 08110217	L	111	4	Adl et al 2004		
Orthocladus (Orthocladus)	P III		1	Coff et al 1966		N
Gammarus pseudokinnareus	A	1	1	Hils 1972		
Caecidotea	A	11	2	Will 1972	fem/imm	
split A3 Chironomidae	L	11				
Tvetenia bavarica group	L	IXXII 55	53	Bode 1983		
Conchapelopia 08270700	L	1	1	Cran Epl 2013		
Labrundinia pilosella	L	1	1	Epler 2001		
Orthocladinae 08300000	L	1	5	Cranston 2013	mt indet/dam/imm	N
Diamesa	L	11	2	Saeth And 2013		
Brillia	L	1	1	And + 3 2013	imm	
Thienemanniella	L	1	1	"	dam	Ated
Parametisocnemus	L	XIIII	14	"		
Orthocladus (Orthocladus)	L	-1	6	"		Y
O. (O.) oliveri	L	11	2	Epler 2001		
Cricotopus (Cricotopus) bicinctus group	L	11	2	And + 3 2013		
Cryptochironomus	L	1	1	Epl et al 2013		
Paratanytarsus	L	1	1	"	mt indet	Y

34 snail shells in subsample, 0 viable specimens Lymnaeidae Physidae Planorbidae Anacidae Hydrobiidae
3 Psidium valves, no viable specimens

< 3 taxa, TVAL ≤ 2.0

