

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name MILL CREEK	Waterbody ID Code 769700	Sample ID (YYYYMMDD-CY-FD) 20181115-68-02
Sampling Location		Database Key 169406752

SWIMS Station ID 10011470	SWIMS Station Name MILL CREEK AT BIG BEND RD		
Latitude 42.95523	Longitude -88.22295	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) FOX (IL)		Watershed Name MIDDLE FOX RIVER - ILLINOIS	Datum Used if using GPS WGS84 or NAD83
County WAUKESHA			

Sample and Site Descriptors	
Sample Collector (Last Name, First) RACHEL SABRE	Project Name MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE

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) 1m2	Estimated Area Sampled (m²) 1m 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: TWA Middle Fox

Water Temp. (C) 2.50	D.O. (mg/l) 11.99	D.O. (% sat.) 90.5	pH (su) 8.17	Conductivity (umhos/cm) 1119	Transparency (cm) 120
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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) 0.2m	Average Stream Width of reach (m) 5.4m
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 10%
Canopy Cover at Sample Site (%) 30%

**Mill Creek @ Big Bend Road
 Station #10011470
 Sample 1 of 1
 Rachel Sabre
 20181115-68-02**

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>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>4/25/19</i>	Specimens Saved <i>126 subsample archived in AB Linder 1 Jul 2022</i>	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicollis	L	-	5	Klun 2016		
Cheumatopsyche	L	x-iii	18	Hols 1995		
Hydropsyche betteni	L	I	1	Schmidt's FIB 6		
Ceratopsyche slossonae	L	iii	3	"		
Optiosecurus	L	iii	3	Hols Schum 1992	imm	N
O-fastidius	L	iiii	4	"		
Stenelmis	L	ii	2	"		
Hemerodromia	L	I	1	Courtney 2008		
Simulium vittatum species complex 08110217	L	ii	2	Adl et al 2004		
S. fibroflatum	L	ii	2	"		
Simulium	P	iii	3	"		N
S. jenningsi species group	L	iii	3	"	imm	N
Tanytarsus	L	I	1	Hols 1995		
Orthocladiinae 08300001 smaller taxon	P	I	1	Ferr et al 2008	dam	N
Gammarus pseudoclimacis	A	-iii	8	Hols 1972		
Ceriodonta intermedia	A	iii	3	Will 1972		
Hygrobatas	A	I	1	Pluch 1984		
Sperchon	A	I	1	"		
split A3 Chironomidae	L	-iiii JSD				
Tuctenia bavarica group	L	x-iiii	19	Bode 1983		
Conchapelonia 08270700	L	ii	2	Coan Epl 2013		
Diamesa	L	01	21	Saath And 2013		
Brillia	L	-	5	And + 3 2013		
Parametriocnemus	L	iii	3	"		
Thienemannella xera	L	iii	3	Bolton 2012		
Orthocladius (Orthocladius)	L	I	1	And + 3 2013		
Microtendipes pedellus group	L	I	1	Epl et al 2013		
Paratanytarsus species A	L	I	1	Hols unpubl		
P. longistylus	L	-	5	Epl et al 2013		
Polypedilum (Polypedilum) laetum group	L	I	1	Bolton 2012		
P. (Uresinpedilum)	L	I	1	Epl et al 2013	imm	N
P. (U.) aviceps	L	-	5	Bolton 2012		
Rheotanytarsus	L	iii	4	Epl et al 2013		

< 3 taxa, TVAL < 2.0