

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name PEBBLE BROOK		Waterbody ID Code 769500	Sample ID (YYYYMMDD-CY-FD) 20181115-68-04
Sampling Location		Database Key 169406768	
SWIMS Station ID 683232		SWIMS Station Name PEBBLE BROOK AT GLENDALE RD (BI)	
Latitude 42.9484734	Longitude -88.2456981	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

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) 1min	Estimated Area Sampled (m ²) 1m²	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) 15.7	D.O. (mg/l) 12.78	D.O. (% sat.) 94.0	pH (su) 7.99	Conductivity (umhos/cm) 1216	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) 0.15m	Average Stream Width of reach (m) 8.6m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): **10%** Gravel (ladybug to tennisball): **10%**
 Sand: **15%** Clay: _____ Silt/Muck: **30%** Overhanging Vegetation: **10%**
 Aquatic Macrophytes: **15%** Leaf Snags: **10%** Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) **30%** Canopy Cover at Sample Site (%) **20%**

**Pebble Brook @ Glendale Road
 Station #683232
 Sample 1 of 1
 Rachel Sabre
 20181115-68-04**

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Abby Adams	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4-26-19	Specimens Saved Subsample archived in ABL under Jvl 2022	

B1 D3
 80 94
 Total = 174

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Labiobactis propinquus</i>	L	III	3	Klub 2016		
Coenagrionidae	L	I	1	West May 1996	imm	
<i>Chemataresyche</i>	L	III	8	Hils 1985		
<i>Hydropsyche</i> (cf. <i>simularis</i>)	L	I	1	"	imm	
<i>Hydropsyche</i>	L	III	18	"		
<i>Macronychus clabratus</i>	L	I	1	Hils Schm 1992		
<i>Lidessus affinis</i>	A	II	2	Hils 1984		
Empididae	L	I	1	Court Merr 2008	dam	N
<i>Nemerodromia</i>	L	III	5	"		
<i>Simulium vittatum</i> species complex 08110217	L	III	61	Adl et al 2001		
<i>Simulium</i>	P	I	1	"		N
<i>Hyalella wellborni</i>	A	I	1	Souck et al 2015		
Caecidoptea	A	II	2	Will 1972	imm	
<i>Lebertia</i>	A	I	1	Pluch 1984		
Cerixidae	A	I	1	Hils 1984a	imm	N
<i>Trichocorixa calva</i>	A	I	1	"		
Naidinae	A	III	35	Bornfeld 1991		
<i>Conchapelopia</i>	L	II	2	Cran Epl 2013		
<i>Labrundinia pilosella</i>	L	II	2	Epler 2001		
<i>Pentaneura inconspicua</i>	L	L	1	"		
<i>Zavelimyia</i>	L	I	1	Cran Epl 2013		
Thienemannimyia group	L	I	1	"	imm	N
Orthoclaadiinae 08300000	L	L	1	Cranston 2013	imm	N
<i>Corynoneura</i>	L	L	1	And + 3 2013		
<i>Diplocladius</i>	L	I	1	"		
<i>Parakiefferiella</i>	L	III	4	"		
<i>Parametriocnemus</i>	L	L	1	"		
<i>Thienemanniella</i>	L	II	3	"	imm	N
<i>Th. xena</i>	L	III	3	Bolton 2012		
<i>Eretesa bavarica</i> group	L	III	3	Bode 1983		
<i>Nanocladius</i> (<i>Nanocladius</i>) <i>gracilipes</i>	L	I	1	Epler 2001		
<i>N.(M.) crassicornis</i> / cf. <i>rectinervis</i>	L	I	1	"		
<i>Orthoclaadius</i> (<i>Orthoclaadius</i>)	L	II	2	And + 3 2013		
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicinctus</i> group	L	III	4	"		
<i>Micropsectra</i>	L	III	3	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	L	1	"		

23 taxa, TOTAL = 210

