

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name PEBBLE BROOK		Waterbody ID Code 769500	Sample ID (YYYYMMDD-CY-FD) 20181115-68-01
Sampling Location		Database Key 169406764	
SWIMS Station ID 10009311		SWIMS Station Name PEBBLE BROOK 2 UPSTREAM OF BIG BEND ROAD	
Latitude 42.969894	Longitude -88.22388	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) 0.5m²	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) 0.87	D.O. (mg/l) 10.88	D.O. (% sat.) 78.6	pH (su) 7.01	Conductivity (umhos/cm) 1436	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) 3m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): **20%** Gravel (ladybug to tennisball): **30%**
 Sand: **25%** Clay: _____ Silt/Muck: **5%** Overhanging Vegetation: **10%**
 Aquatic Macrophytes: _____ Leaf Snags: **10%** Coarse Woody Debris: _____ Other (_____): _____

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

**Pebble Brook US of Big Bend Road
 Station #10009311
 Sample 1 of 1
 Rachel Sabre
 20181115-68-01**

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 <i>Sam Lamarche</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>47%</i>
Date Processed <i>4/25/19</i>	Specimens Saved <i>Subsample archived in ABC mtd 1 Jul 2022</i>	

B2 D2 B1 C2 E1 A3 C5
21 16 17 25 13 15 34

141 total

Wisconsin Department of Natural Resources
 ABL SampleNum: 20181115-68-01
 Taxonomist: Dimick, Jeffrey

Waterbody: Pebble Brook
 SWIMS Database Key: 169406764

Page 1 of 1

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	/	5	Kleb 2016		
<i>Cheumatopsyche</i>	L	-111	10	Hols 1995		
<i>Hydropsyche</i>	L	1	1	"	imm	N
<i>H. betteni</i>	L	01	21	Schlittils 1906		
<i>Optioservus</i>	L	x1	11	Hilschum 1992	imm	N
<i>O. fastidius</i>	L	"	2	"		
<i>Stenelmis</i>	L	1	1	"		
<i>Simulium vittatum species complex</i> OB11217	L	111	3	Bell et al 2004		
<i>Amocha</i>	L	-111	8	H.ils 1995		
<i>Orthocladiinae</i> OB30001	P	1	1	Fer et al 2008	dam	N
<i>Orthocladius (Orthocladius)</i>	P	x11	12	Coff et al 1986		
<i>Gammarus pseudolimnaeus</i>	A	111	3	Hols 1972		
<i>Caecidotea intermedia</i>	A	111	3	Will 1972		
<i>Naidinae</i>	A	-11	7	Brinck 1991		
Split A3 Chironomidae	L	-111-111	111			
<i>Diptera</i> OB00000	L	1	1	Daly 2008	dam	N
<i>Metopelopia</i>	L	1	1	Cran Epl 2013		
<i>Orthocladiinae</i> OB300000	L	-1	6	Cranston 2013	mt indet/ dam	N
<i>Brillia</i>	L	"	2	And +3 2013	mt. indet/ imm	
<i>Chaetocladius</i>	L	1	1	"		
<i>Diptocladius</i>	L	111	3	"		
<i>Parametricnemus</i>	L	x111	14	"		
<i>Tritenia bavarica</i> group	L	-	5	Bock 1983		
<i>Orthocladius (Orthocladius)</i>	L	0111	23	And +3 2013		N
<i>Polypedilum (Uresipedilum)</i>	L	1	1	Epl et al 2013		N
<i>P.(U.) aviceps</i>	L	111	3	Botton 2012		
<i>Rheotanytarsus</i>	L	-11	7	Epl et al 2013		

< 3 taxa, TVAL < 2.0
 many *O. (Orthocladius)* DELTs - coded mendums