

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

**Station Summary**

<b>Waterbody Name</b> ASHWAUBENON CREEK		<b>Waterbody ID Code</b> 122200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191001-05-02
<b>Sampling Location</b> Along Bank Vegetation and some rock <sup>SDM</sup> ps Glory Rd			<b>Database Key</b> 218829959
<b>SWIMS Station ID</b> 10044357	<b>SWIMS Station Name</b> ASHWAUBENON CREEK-GLORY RD.		
<b>Latitude</b> 44.4579751	<b>Longitude</b> -88.0790676	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LOWER FOX		<b>Watershed Name</b> APPLE AND ASHWAUBENON CREEKS	<b>County</b> BROWN

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> ANDREW HUDAK	<b>Project Name</b> FOX RIVER AOC- NON-WADEABLE MACROINVERTEBRATE
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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

<b>Total Sampling Time (min)</b> 6	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 10	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 16.8	<b>D.O. (mg/l)</b> 6.07	<b>D.O. (% sat.)</b> 660	<b>pH (su)</b> 7.4	<b>Conductivity (umhos/cm)</b> 858	<b>Transparency (cm)</b>
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 1.5	<b>Average Stream Width of reach (m)</b> 15
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: 70 Overhanging Vegetation: 15  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 15 Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 100      **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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton		U	U	Chlorine		U	U
- Filamentous Algae		U	U	Dissolved Oxygen		U	U
- Planktonic Algae		U	U	Nutrients (P, N...)		PL	PH
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	U
Macrophytes		N	N	- Organic (PCBs, pesticides...)		U	U
Slimes		N	N	Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		U	PL
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	U
<b>Physical</b>				Runoff: - Barnyard		N	U
Bank Erosion		U	PL	- Construction		N	U
Channelization: - Upstream		N	U	- Cropland		N	PH
- Downstream		N	U	- Urban		PL	PL
Hydraulic Scour / Channel Incision		N	U	Septic Systems		U	U
Impoundment: - Upstream		N	N	Tile Drainage - Organic Soils		N	N
- Downstream		N	N	- Mineral Soils		U	PL
Low Flow		N	N	Springs		N	N
Sedimentation		PL	PL	Tributary(s)		U	U
Sludge		N	N	Wetland		U	U
Thermal		N	U	Other - Specify:			
Turbidity		U	U				
Other - Specify:							

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Eric Noos	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 47%
Date Processed 7/17/2020	Specimens Saved Subsample archived in ABL w/41 sept 2023	

C1 E2 E3 B2 B3 D1 A1  
 23 14 25 19 17 11 = 126

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Calopterygidae</i>	L	1	1	Merrill & B 2019	imm	
<i>Cheumatopsyche</i>	L	✓	5	"		
<i>Caecidotea intermedia</i>	L	0-11	27	Will 1972		
<i>Sphaerium striatulum</i>	A	1	1	Mackie 2007		
<del>Split Aza Chironomidae</del>	L	8x110				
<del>Split Azb Chironomidae</del>	L	8x110				
<del>Split Aza worms</del>	A	8x110				
<del>Split Azb worms</del>	A	8x110				
<del>Split Azc worms</del>	A	11x110		etal		
<i>Corynoneura</i>	L	III	3	And et al 2013		
<i>Cryptochironomus</i>	L	-1	6	And et al 2013		
<i>Dicotendipes</i>	L	III	5	And et al 2013		
<i>Microtendipes pedellus</i> group	L	III	3	"		
<i>Theremanimyia</i> group	L	II	2	"	imm	
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	I	1	"		
<i>Chironominae</i> 0B330000	L	III	3	"	mt. indet imm	N
<i>Micropsectra</i>	L	0-III	2A	"		
<i>Paratanytarsus</i>	L	III	3	"	mt indet	N
<i>P. species A</i>	L	III	4	Hils unpubl		
<i>Paratendipes</i>	L	x-II	17	And et al 2013		
<i>Phaenopsectra flavipes</i>	L	I	1	Bolton 2012		
<i>P. obediens</i> group	L	I	1	Epler 2001	imm	Y
<i>Polypedilum (Polypedilum) illinoense</i> group	L	III	3	Bolton 2012		
<i>P. (Tripodura) scalaenum</i> group	L	III	3	"		
<i>P. (Uresipedilum) flavum</i>	L	II	2	"		
<i>Pseudochironomus</i>	L	I	1	And et al 2013		
<i>Stretochironomus</i>	L	-1	6	"		
<i>Tanytarsus</i>	L	III	4	"		
<i>Nais varrabilis</i>	A	I	1	Kath Brin 1998		
<i>Quistadrilus multisetosus</i>	A	III	4	"		
<i>Tubificinae (with hairs)</i>	A	x-II	17	Brin & Geld (199)	imm	Y
<i>Tubificinae (without hairs)</i>	A	80-III	78	"	imm	Y