

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

**Station Summary**

<b>Waterbody Name</b> DUTCHMAN CREEK		<b>Waterbody ID Code</b> 121600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191001-05-03
<b>Sampling Location</b> D3 of Railroad Trestle			<b>Database Key</b> 218829963
<b>SWIMS Station ID</b> 10044359		<b>SWIMS Station Name</b> DUTCHMAN CREEK-S BROADWAY ST.	
<b>Latitude</b> 44.4827541	<b>Longitude</b> -88.05102	<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
--	--

**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> 8	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
---------------------------------------	--	--	------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 19.2	<b>D.O. (mg/l)</b> 9.9	<b>D.O. (% sat.)</b> 106.8	<b>pH (su)</b> 7.74	<b>Conductivity (umhos/cm)</b> .652	<b>Transparency (cm)</b>
--------------------------------	---------------------------	-------------------------------	------------------------	--	--------------------------

<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)
--	--

<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> 14
--	---	--

**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: 20 Overhanging Vegetation: 20  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 80      **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		N	N	Chlorine		U	U
- Filamentous Algae		U	U	Dissolved Oxygen		N	U
- Planktonic Algae		PL	U	Nutrients (P, N...)		PH	PH
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	N
Macrophytes		N	N	- Organic (PCBs, pesticides...)		U	U
Slimes		N	N	Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PH	PH
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	N
<b>Physical</b>				Runoff: - Barnyard		N	U
Bank Erosion		PL	PH	- Construction		N	U
Channelization: - Upstream		PH	PH	- Cropland		N	PH
- Downstream		N	N	- Urban		PH	PH
Hydraulic Scour / Channel Incision		PL	PL	Septic Systems		N	U
Impoundment: - Upstream		N	N	Tile Drainage - Organic Soils		N	N
- Downstream		N	N	- Mineral Soils		N	U
Low Flow		N	N	Springs		N	N
Sedimentation		N	N	Tributary(s)		U	U
Sludge		N	N	Wetland		N	N
Thermal		N	N	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 13%
Date Processed 7/20/2010	Specimens Saved Subsample archived in ABL until Sept 2013	

E2 C2

75 76 = 151

Wisconsin Department of Natural Resources

ABL SampleNum: 20191001-05-03

Taxonomist: Dimick, Jeffrey

Waterbody: Dutchman Creek  
SWIMS Database Key: 218829963

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<del>Baetidae</del>	<del>L</del>	<del>1</del>	<del>1</del>	<del>Klich 2016</del>	<del>Imm</del>	
<del>Caenis</del>	<del>L</del>	<del>1</del>	<del>1</del>	<del>Mertummb3 2019</del>	<del>imm</del>	<del>N</del>
<del>C. dimidiata</del>	<del>L</del>	<del>1</del>	<del>1</del>	<del>Klich 2016</del>		
Coenagrionidae	L	♂	30	Mertummb3 2019	imm	
Hydropsyche	L	i	1	"		
Psectis	L	i	1	"	imm	
Psectis	L	i	1	"	imm	
Haloptilus borealis	A	ii	2	HillsBryg 1978		
Lamprolaimidae	L	i	1	Mertummb3 2019		
Hyalella azteca	A	-i	6	Soucek et al 2015		
Caecidotea	A	iiii	9	Thorp & Rogers 2016	imm	
Daphniidae	A	i	1	"		
Sida crystallina = Sidiidae = Sida	A	iiii	4	"		
Dugesidae	A	i	1	"		
Hebdella ervensis = H. stagnalis species complex	A	i	1	Seylan et al 2018		
<del>Spitt A2a Chironomidae</del>	<del>L</del>	<del>8x JJJ</del>				
<del>Spitt A2b Chironomidae</del>	<del>L</del>	<del>8x JJJ</del>				
<del>Spitt A3 worms</del>	<del>A</del>	<del>x JJJ</del>		<del>And</del>		
Cryptochironomus	L	i	1	Epl et al 2013		
Procladius	L	xii	12	"	imm	N
P. (Holotanypus)	L	iii	3	"		
Tanypus	L	i	1	"	imm	
Cricotopus (Isocladius)	L	ii	2	"	mt indet	
Chironomidae 08330000	L	i	1	"	mt indet	N
Chironomus	L	i	1	"		
Cladopelma	L	iii	3	"		
Dicrotendipes	L	iiii	4	"		
Endochironomus nigricans	L	0-i	26	Bolton 2012		
Glyptotendipes	L	iii	3	And et al 2013		
Microchironomus	L	ii	2	"		
Micropectra	L	ii	2	"		
Parachironomus arcuatus group	L	iii	3	"		
Paratanytarsus species B	L	iiii	4	Hills unpubl		
Paratendipes	L	i	1	And et al 2013		
Polypedilum	L	ii	2	"	imm	Y
P. (Tripodura) halterale group	L	0-iii	28	Bolton 2012		
Pseudochironomus	L	i	1	And et al 2013		



