

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name PESHTIGO RIVER		Waterbody ID Code 515500	Sample ID (YYYYMMDD-CY-FD) 20160929-21-05
Sampling Location Peshtigo River 70 m US CTH-0		Database Key 133642131	
SWIMS Station ID 10047081		SWIMS Station Name PESHTIGO RIVER APP 70 M US FROM CTH-0	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name UPPER PESHTIGO RIVER	County FOREST

Sample and Site Descriptors	
Sample Collector (Last Name, First) CHERIE WIELOCH Kloniewski James	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2016

Sampling Device

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) 1 min	Estimated Area Sampled (m ²) 1.5	Number of Samples in Composite 4	Replicate No. <u>1</u> of <u>1</u>
------------------------------------	---	-------------------------------------	------------------------------------

Reason For Sampling

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

Water Temp. (C) 12.9	D.O. (mg/l) 8.92	D.O. (% sat.) 84.6	pH (su) 7.52	Conductivity (umhos/cm) 158.9	Transparency (cm) >120
-------------------------	---------------------	-----------------------	-----------------	----------------------------------	---------------------------

Water Color Estimated Stream Velocity (m/s)

Clear Turbid Stained 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) 0.6m	Average Stream Width of reach (m) 1.5m
---	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 40

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 30

Aquatic Macrophytes: 30 Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20% Canopy Cover at Sample Site (%) 0

Sunny, 65°, Native crayfish observed

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>Kuhne, Alison</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>5-1-17</i>	Specimens Saved <i>Subsample archived in ABE until Oct 2020</i>	

A1 - 37
A3 - 39
E1 - 69
 [145]

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	xiii	18	Hilsenhoff 1995	imm	
Labobætis frondalis	L	1	1	Klugestein 2016		
L. propinquus	L	1	1	"		
Bætica	L	-ii	7	"	imm	N
B. laurentina	L	ii	2	"		
Cænis latipennis	L	-iiii	9	"		
Ephemera subvaria	L	1	1	"		
Eurylophella	L	-iiii	9	"	imm	N
E. temporalis	L	1	1	"		
Ephemera	L	iiii	4	"	imm	
Maccaffertium	L	1	1	"	imm	Y
M. vicarium	L	iii	3	"		
Leptophlebia capida	L	-iiii	9	"		
Calopteryx	L	HH	5	West, May 1996	imm	N
C. maculata	L	xi	11	"		
Gomphidae	L	-ii	7	Neel et al 2000	imm	N
Gomphus (Gomphurus)	L	1	1	"	imm	
Aematopsychæ	L	ii	2	Hilsenhoff 1995		
Ceratopsychæ vesa	L	ii	2	Schm, Hils. 1986		
Hydroptila	L	1	1	Hilsenhoff 1995		
Limnephilidae	L	1	1	"	imm	
Psychomyia flavida	L	iii	3	"		
Nigronia semicornis	L	-ii	7	Neunzig 1966		
Dubiraphia	L	HH	5	Hils, Schm. 1992		N
D. minima	A	1	1	"		
Macronychus glabratus	L	1	1	"		
Optioservus	L	1	1	"		
O. fastiditus	L	ii	2	"	imm	N
O. trivittatus	L	-1	6	"		
Ectopsia thoracica	L	-	5	"		
Hemodromia	L	1	1	Court, Merr. 2008		
Ephydriidae	P	i	1	Merr, Webb 2008		
Gammarus pseudolimnæus	A	-ii	7	Holsinger 1972		
Hyalella	A	xii	12	Remak 1978		
Corixidae	L	1	1	Hilsenhoff 1995	imm	
Naidinae	A	1	1	Bra, Gell. 1991		
Laevapex fuscus	A	-ii	7	Burch 1982		

