

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name FISHER CREEK	Waterbody ID Code 62500	Sample ID (YYYYMMDD-CY-FD) 20221005-60-04
Sampling Location SOS		Database Key 323972282

SWIMS Station ID 10033782	SWIMS Station Name FISHER CREEK - UPSTREAM OF CTHY A
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Latitude 43.9339	Longitude -87.8329	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) SHEBOYGAN	Watershed Name PIGEON RIVER	County SHEBOYGAN
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Sample and Site Descriptors	
Sample Collector (Last Name, First) CRAIG HELKER	Project Name PIGEON RIVER TWA 2022

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) 4	Estimated Area Sampled (m <sup>2</sup> ) 4	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: Pigeon River TWA

Water Temp. (C) 12.9	D.O. (mg/l) 7.07	D.O. (%sat.) 67.1	pH (su) 7.84	Conductivity (umhos/cm) 551	Transparency (cm) +120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity 0.5	circle units m/s or f/s	Average Stream Depth of reach (m) .2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 20  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 20  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 60 Canopy Cover at Sample Site (%) 30

20221005-60-04  
 Station # 10033782  
 Sample 1 of 1  
 Fisher Creek US CTH A  
 WBIC 62500  
 Craig Helker  
 Pigeon River TWA 2022

**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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
<b>Biological</b>			<b>Chemical</b>		
		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:	<b>Sources of Stream Impacts</b>		
					Bank Erosion
<b>Physical</b>					Point Source - Specify:
		Bank Erosion			Pasturing of Livestock
		Channelization: - Upstream			Runoff: - Barnyard
		- Downstream			- Construction
		Hydraulic Scour / Channel Incision			- Cropland
		Impoundment: - Upstream			- Urban
		- Downstream			Septic Systems
		Low Flow			Tile Drainage - Organic Soils
		Sedimentation			- Mineral Soils
		Sludge			Springs
		Thermal			Tributary(s)
		Turbidity			Wetland
		Other - Specify:			Other - Specify:

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Katherine McClure</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>32.8%</i>
Date Processed <i>2/10/23</i>	Specimens Saved <i>Subsample archived in ABC until May 2026</i>	

*HT*  
*154*  
*188*  
 C292:5 B393:18 D494:10 A292:8 D191:14 C191:22  
 C291:10 B392:13 D493:10 A291:10 D192:8 C193:  
 C294:20 B391:17 D492:10 A293:10 D193:20 C192:  
 C293:20 B394:8 D491:13 A294:6 D194:9 C194:

(261)

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Calopterygidae	L	11	2	MCB 2019	imm	N
Calopteryx	L	11	2	"	imm	
Coenagrionidae	L	1111	4	"	imm	
Micromela americana	A	1	1	Hils 1986		
Dubiraphia quadrinotata	A	1	1	Hils Schim 1992		
Otioceramus	L	1	5	MCB 2019	imm	N
O-fastidius	L	1	5	Hils Schim 1992		
Stenelmis	L	1	1	MCB 2019		N
S. crenata	A	11	2	Hils Schim 1992		
Helophorus orientalis	A	1	1	Hils 1985a		
Staphylinidae	A	1	1	MCB 2019		
Diptera 0800200	P	1	1	"		
Dubiraphia	L	1	1	"		N
Parakiefferiella 08302901	P	1	1	"		N
Parametrioicnemus 08303002	P	1	1	"		
Tipula	L	11	2	"		
Gammarus pseudolimnoides	A	0-111	39	Holsinger 1972		
Hyalella azteca	A	11	2	Sorcek et al 2015		
Caecidotea	A	1	1	Thorp Reg 2016	fem	
Dugesidae	A	1	1	"		
Laevapex fuscus	A	1	1	"		
Alysa	A	1	5	"		
Sphaerium	A	1	1	"	imm	
Naidinae	A	1	6	Kath Brn 1999		Y
Stylaria laustris	A	1111	11	"		
Tubificinae (without hairs)	A	1111	9	"		
Hypobates	A	111	4	Peck et al 1990		
Lebertia	A	111	4	"		
Newmania	A	11	2	"		
Unionicola	A	111	4	"		
Cyclopidae	A	00-111	100	Thorp Reg 2016		
Harpacticoida	A	1	1	"		
Podocopa	A	1	1	"		
Daphniidae	A	0-11	27	"		
Dixella	L	1	1	MCB 2019		
Mermithidae	A	1	1	Thorp Reg 2016		
Tubificinae (with hairs)	A	1	1	Kath Brn 1999		

