State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
PIGEON RIVER	62300	20221018-60-01

Sampling Location: Riffle, ~20m upstream 505

Database Key: 323972351

SWIMS Station ID	**SWIMS Station Name**
603420	PIGEON RIVER AT COUNTY LINE ROAD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.8916	-87.8209	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
SHEBOYGAN	PIGEON RIVER	SHEBOYGAN

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	PIGEON RIVER TWA 2022

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [x] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No. ____ of ____**
2	2		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Pigeon River TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
4.2	13.42	103.7	8.45	613	120

Water Color

- [ ] Clear
- [ ] Turbid
- [x] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [x] 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)**	**Average Stream Width of reach (m)**
.95	.4	6.6

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 50

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 35

20221018-60-01
Station # 603420
Sample 1of 1
Pigeon River @ County Line Road
WBIC 62300
Craig Helker
Pigeon River TWA 2022

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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
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Dow nstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Dow nstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Reed, Kayla	Dimick, Jeffrey	5.5%
Date Processed	**Specimens Saved**	
2-16-23	Subsample = 256 archived in ABL until May 2026	

B3Q2 - 80
Q3 - 75
Q4 -
Q1 -

D2Q3 - 71
Q1 Q2 3 - 30
Q4 -
Q2 -

Wisconsin Department of Natural Resources
ABL SampleNum: **20221018-60-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Pigeon River**
SWIMS Database Key: **323972351**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	IIII	3	Klub 2016		
Baetis bicaudatus	L	III	3	"		
B. interalaris	L	II	2	"		
Leucrocuta	L	II	2	MCB 2019		
Maccaffertium mediopunctatum	L	XIII	13	Klub 2016		
Brotyla	L	IIII	4	MCB 2019		
Helicopsyche borealis	L	II	2	Hils 1995		
Ceratopsyche bronta	L	XII	12	Schm Hils 1986		
Cheumatopsyche	L	XX	50	MCB 2019		
Hydropsyche betteni	L	IIII	4	Schm Hils 1986		
Hydroptila	L	I	1	MCB 2019		
Chimarra obscura	L	II	2	Hils 1982		
Psychomyia flavida	L	I	1	Hils 1995		
Optioservus	L	XXXX	83	MCB 2019	rmm	N
O. fastidiosus L. 31 A. 4	L,A	XXX	35	Hils Schm 1992		
Stenelmis	L	XIII	24	MCB 2019		N
S. crenata	A	-	5	Hils Schm 1992		
Parakiefferiella 08302901	P	II	2	MCB 2019		
Thienemanniella 08304701	P	I	1	"		N
Antocha	L	II	2	"		
Diamesa	L	II	2	"		
Gammarus pseudolimnaeus	A	I	1	Holsinger 1972		
Naidinae	A	II	2	Kath Brin 1999		
Tubificinae (without hairs)	A	-	5	"		
Lebertia	A	I	1	Peck et al 1990		
Spechaemidae	A	I	1	"		
~~Subfam Chironomidae~~	~~L~~	~~XXX~~				
Brillia flavifrons	L	I	1	Epler 2001		
Cladotanytarsus	L	-	6	Anderet al 2013		
Cryptochironomus	L	I	1	"		
Microtendipes pedellus group	L	III	5	"		
Rheotanytarsus	L	II	2	"		
Stictochironomus	L	IIII	4	"		
Conchapelopia	L	II	2	"		
Orthocladiinae 08300000	L	I	1	"	rmm	N
Cricotopus (Cricotopus) tremulus group	L	IIII	4	"		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Orthocladius (Orthocladius)	L	ll	2	Ander et al 2013		
Thienemanniella xena	L	l	1	Bolton 2012		
Polypedilum (Tripodura) halterale group	L	l	1	"		