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	20221005-60-02

Sampling Location: 1st riffle upstream of CTH J

Database Key: 323972344

SWIMS Station ID	**SWIMS Station Name**
10038387	PIGEON RIVER CTH J

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.7913	-87.7882	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** ____
4	4		

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)**
13.9	11.34	110.7	8.54	663	100

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)**
.91	.7	15

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 70

Sand: 10 Clay: _____ Silt/Muck: 5 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 5 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 50

Sand, J

20221005-60-02
Station # 10038387
Sample 1of 1
Pigeon River @ CTH J
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
Undlin, Dylan	Dimick, Jeffrey	9.3%
Date Processed	**Specimens Saved**	
9/10/2023	264 subsample archived in BL until May 2026	

A4 q4→13 (120) | C4 q4→49 (44)
q3→53 | q3→55
q1→54 | q1→40
q2→ | q2→

Wisconsin Department of Natural Resources
ABL SampleNum: **20221005-60-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Pigeon River**
SWIMS Database Key: **323972344**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis intercalaris	L	I	1	Klub 2016		
Maccaffertium mediopunctatum	L	III	3	"		
Tricorythodes	L	I	1	MCB 2019		
Leucrocuta	L	I	1	"		
Agnia	L	III	3	"	imm	N
A. maesta	L	II	2	West May 2006		
Ceratopsyche	L	II	2	Wils 1995	imm	N
C. bronta	L	IO-II	27	Schm Wils 1986		
Chematopsyche	L	Broken	97	MCB 2019		
Hydropsyche	L	I	1	Wils 1995	imm	N
H. betteni	L	-	5	Schm Wils 1986		
Hydroptilidae	L	I	1	MCB 2019	dam	
Chimarra obscura	L	-I	6	Wils 1982		
Optioservus	L	I	1	MCB 2019	imm	
Stenelmis	L	-II	7	"		
Cricotopus ~~(Cri.)~~ 08330501 (n=1, other)	P	II	2	"		Y
Parakiefferiella 08302901	P	II	2	"		N
Hemerodromia	L	III	3	"		
Antocha	L	I	1	"		
Caecidotea	A	I	1	Thorp Rog 2016	imm	
Pisidium	A	I	1	"		
Tubificinae (without hairs)	A	I	1	Kath Brin 1968		
~~Split Aza Chironomidae~~	L	~~8x-III~~				
~~Split Azb Chironomidae~~	L	~~8x-III~~				
Parakiefferiella	L	-I	6	Anderetal 2013		
Tvetenia discoloripes group	L	I	1	Bode 1983		
Microtendipes pedellus group	L	~~8x~~ III	33	Anderetal 2013		
Conchapelopia	L	-III	9	"		
Cricotopus (Cricotopus)	L	IIII	41	"		N
C. (L.) tremulus group	L	-III	8	"		
Eukiefferiella claripennis group	L	I	1	"		
Orthocladius (orthocladius)	L	II	2	"		
Thienemanniella	L	I	1	"	imm	N
T. xena	L	-III	8	Bolton 2017		
Chironomini 08330000	L	I	1	Anderetal 2013	imm	N
Cladotanytarsus	L	II	2	"		

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Cryptochironomus	L	II	2	Anderetal 2013		
Dicrotendipes	L	I	1	"		
Paratendipes	L	-	5	"		
Polypedilum (Tripodura) halterale group	L	I	1	Bolton 2012		
P. (T.) scalaenum Group	L	-II	7	"		
P. (Uresipedilum) Flavum	L	I	1	"		
Rheotanytarsus	L	II	2	Anderetal 2013		
Stictochironomus	L	-III	8	"		
Tanytarsus	L	-II	7	"		