State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)**
MEEME RIVER	62900	20221018-36-03

Sampling Location: Riffles, us of Spring Valley Road

Database Key: 323972318

SWIMS Station ID	**SWIMS Station Name**
10010641	MEEME RIVER - 2

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.9357	-87.8324	SWIMS (SWDV) GPS	(WGS84) or NAD83

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

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 S

20221018-36-03
Station # 10010641
Sample 1of 1
Meeme River -2
WBIC 62900
Craig Helker
Pigeon River TWA 2022

Habitat Sampled

- [X] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Propor
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetlar

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)**
4.7	13.15	103.4	8.51	630.0	35

Water Color

- [ ] Clear
- [X] Turbid
- [ ] 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	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
1.13	m/s **or** (f/s)	.5	5.5

Composition of Substrate Sampled (Percent):

Bedrock: ____ Boulders (basketball or larger): ____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40

Sand: 10 Clay: ____ Silt/Muck: ____ Overhanging Vegetation: ____

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 50

Note: sampled at this location due to lack of riffles within station 10010641

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)

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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			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	Taxonomist	Estimated Percent of Sample Sorted
Walters, Selina	Dimick, Jeffrey	17.1%
Date Processed	**Specimens Saved**	
2/16/2023	260 Subsample archived on ABL until May 2026	

C4 Q2:17 Q4:18 Q3:772 Q1:
C2 Q1:15 Q2:33 Q3:765 Q4:
A2 Q4:17 Q3:6 Q1:17 Q2:
A1 Q1: Q2:

Wisconsin Department of Natural Resources
ABL SampleNum: **20221018-36-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Meeme River**
SWIMS Database Key: **323972318**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Klub 2016		
B. intercalaris	L	IIII	4	"		
B. flavistriga species complex	L	~~HH~~	5	"		
Stenacron	L	II	2	MCB 2019	damaged	
Calopteryx sp.	L	I	1	"	damaged	
Helicopsyche borealis	L	III	3	Hils 1995		
Ceratopsyche bronta	L	I	1	Schm Hils 1986		
Cheumatopsyche	L	~~8~~ X-IIII	59	MCB 2019		
Hydropsyche betteni	L	X-II	17	Schm Hils 1986		
Hydroptila	L	-	5	MCB 2019		
Climacia areolaris	L	I	1	Hils 1995		
Optioservus	L	~~HH~~ II	7	MCB 2019	immature	N
O. fastiditus	L	II	2	Hils Schm 1992		
Stenelmis	L	X-~~HH~~	20	MCB 2019		N
S. crenata	A	-	5	Hils Schm 1992		
Hydropsychidae	L	I	1	MCB 2019	immature	N
Orthocladiinae 08300001	P	I	1	"	damaged	N
Parakiefferiella 08299001	P	II	2	"		
Thienemanniella 08347001	P	IIII	4	"		N
Hemerodromia	L	-I	6	"		
Neoplasta	L	I	1	"		
Antocha	L	X-IIII	19	"		
Dicranota	L	IIII	4	"		
Gammarus pseudolimnaeus	A	I	1	Holsinger 1972		
Bisicium	A	I	1	Thorp Rog 2016		
Sphaerium simile	A	I	1	Mackie 2007		
Dugesiidae	A	I	1	Thorp Rog 2016		
Naidinae	A	~~8~~ III	43	Kath Bon 1999		
Tubificinae (without hairs)	A	X-	15	"		
Tubificinae (with hairs)	A	I	1	"		
Hygrobates	A	-	5	Peck et al 1997		
Sperchonidae	A	I	1	"		
~~Split Asa Chironomidae~~	L	~~8~~ X-III				
~~Split Asb Chironomidae~~	L	~~X-I~~ III				
Corynoneura	L	I	1	Amber et al 2013		
Baetis	L	II	2	"	damaged	

Wisconsin Department of Natural Resources
ABL SampleNum: **20221018-36-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Meeme River**
SWIMS Database Key: **323972318**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cladotanytarsus	L	-W	10	Anderetal 2013		
Micropsectra gedellus group	L	XXX	25	"		
Conchapelopia	L	/	5	"		
Thienemanniella group	L	1	1	"	comm	N
Orthocladiinae 08300000	L	IIII	4	"	damaged	N
Cricotopus (Cricotopus) tremulus group	L	-III	8	"		
Hydrobaenus	L	1	1	"		
Nanocladius (Nanocladius)	L	1	1	"	immature	
Orthocladius (Orthocladius)	L	/	5	"		
Thienemanniella taurocapita	L	1	1	Bolton 2012		
T. xena	L	-III	8	"		
Paratanytarsus species B	L	III	3	Hilsenhoff unpubl		
Paratendipes	L	II	2	Anderetal 2013		
Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		
P. (Tripodura) scalaenum group	L	IIII	4	"		
P. (Uresipedilum) flavum	L	1	1	"		
Rheotanytarsus	L	III	3	Anderetal 2013		
Stictochironomus	L	II	2	"		