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)**
MOORE CREEK	1200000	20171101-42-08

Sampling Location	**Database Key**
~60m DS of CTH T bridge	149819298

SWIMS Station ID	**SWIMS Station Name**
423219	MOORE CREEK AT CTH T NEAR NORWALK WI

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.793362	-90.5966746	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	UPPER KICKAPOO RIVER	MONROE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CAMILLE BRUHN	TRI CREEKS WATERSHED TWA 2017

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.**
1	1.5	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Moore - Tri Creeks TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
4.71	15.09	117.5	8.69	506	120+

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**
	0.25	5.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 35

Sand: 5 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 (%)** 0

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

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

Comments Sampled ~60 m DS of CTH T bridge. Large riffle area with boulders sampled in heavily pastured area with no riparian buffers. Barnyard present ~ 50m away from left bank.

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Sam Lamarche	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 5/5/18	Specimens Saved: subsample archived in TBL until Aug 2021	

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116 120

Wisconsin Department of Natural Resources
ABL SampleNum: **20171101-42-08**
Taxonomist: Dimick, Jeffrey

Waterbody: **Moore Creek**
SWIMS Database Key: **149819298**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
3/19 Taeniopteryx	L	I	1	Hils. 1995	imm	
Baetis brunneicolor	L	II	2	Klub 2016		
1/14 B. tricaudatus	L	X||||	14	"		
B. frivistriga species complex	L	X-II	17	"		
Maccaffertium mediopunctatum	L	||||	5	"		
Hydropsychidae	L	II	2	Hils 1995	imm	N
Cheumatopsyche	L	X|||	13	"		
Ceratopsyche	L	X|||	13	"	imm	N
C. alhedra	L	-||||	9	Schm Hils 1986		
C. bronta	L	II	2	"		
C. slossonae	L	-I	6	"		
2/18 C. sparna	L	||||	4	"		
Optioservus	L	II	2	Hils Schm 1992	imm	N
O. fastidiatus L, 1 A, 3	L,A	||||	4			
Simulium	L	-	5	Adler et al 2004	dam/imm	N
S. vittatum species complex OBHD218	L	5-||||	39	"		
S. ~~tibold~~ jenningsi species group	L	I	1	"		
Antocha	L	I	1	Hils 1995		
Dicranota	L	I	1	"		
Gammarus pseudolimnaeus	A	||||	4	Hols 1972		
Naididae	A	-II	7	Esse Gust 2002		
Mooreobdella microstoma	A	I	1	Klemm 1985		
~~split 43 Chironomidae~~	L	+ ND				
Conchapelopia	L	II	2	Epler 2013		
Meropelopia	L	I	1	"		
Thienemanniella group	L	I	1	"	imm	N
Cardiocladius obscurus	L	II	2	Epler 2001		
Diplocladius	L	I	1	And +3 2013		
Eukiefferiella claripennis group	L	II	2	"		
Eu. devonica group	L	III	3	"		
Parametriocnemus	L	~~5~~ II	32	"		
Tvetenia bavarica group	L	X-I	16	Bode 1983		
Tv. discoloripes group	L	-I	6	"		
Orthocladius (orthocladius)	L	-II	7	And +3 2013		
Cricotopus (Cricotopus) trifascia group	L	I	1	"		
Micropsectra	L	I	1	Epl et al 2013		

3 taxa, TVAL ≤ 2.0

19 > (0.1 x 89)

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Paratanytarsus	L	1	1	Epl et al 2013	not in det	N
P. sp. B	L	1	1	HBIs unpubl		
Polypedilum (Polypedilum) fallax group	L	1	1	Bolton 2012		
P. (Uresipedilum) aviceps	L	x-1	16	"		
P. (U.) flavum	L	/	5	"		
Rheotanytarsus	L	IIII	4	Epl et al 2013		