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)**
UNNAMED	1201300	20171101-42-01

Sampling Location: ~350ft US from Impoundment and ~400ft E of parking off Kermit

Database Key: 149819270

SWIMS Station ID	**SWIMS Station Name**
10020680	CREEK 21-12 ST. 1 738FT UPSTREAM OF IMPOUNDMENT

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.8598	-90.627464	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

- [ ] Riffle
- [X] 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 min	2 m^2	2	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)**
3.79	14.04	106.5	8.25	436	120+

Water Color

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

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)**
	0.5	1.5

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 50

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 40 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50 **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	N	PL
Channelization: - Upstream	N	N
- Dow nstream	N	N
Hydraulic Scour / Channel Incision	N	PL
Impoundment: - Upstream	N	N
- Dow nstream	PH	PH
Low Flow	N	N
Sedimentation	PH	N
Sludge	N	N
Thermal	N	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	N	PL
Point Source - Specify:	N	N
Pasturing of Livestock	PL	PL
Runoff: - Barnyard	N	PL
- Construction	N	N
- Cropland	N	PH
- Urban	N	N
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
Tributary(s)	N	PL
Wetland	PL	U
Other - Specify: Beavers	PH	U

Comments Beavers have station dammed up, Created deeper runs and no noticeable riffles. Sampled one of the smaller dams and overhanging veg. Substrate mostly Sand/Silt. Horse and Cattle pastures ~1 mi upstream.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kiersten Czarnecki	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
5/01/2018	Subsample archived in ABL until Aug 2021	

① C2 = 49 → 79
② B1 = 30 → 129
③ A2 = 49
④ E2 = not needed

Wisconsin Department of Natural Resources
ABL SampleNum: **20171101-42-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Creek 21-12**
SWIMS Database Key: **149819270**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	iii	3	Hils. 1995		
Isoperla	L	ii	2	"	imm	
Baetis brunneicolor	L	x	10	Kluh 2016		
Hydropsyche betteni	L	i	1	Schm Hils 1986		
Cyrnellus	L	i	1	Hils 1985		
Optioservus fastidius L, 2 A, 1	L,A	iii	3	Hils Schm 1992		
Ceratopsyche (Cicatopsyche) slossonae	L	i	1	Hils 1995		
Neoplasta	L	ii	2	Court Meier 2008		
Ephydridae	P	xiii	14	Meier Webb 2008		
Diptera 08000200 or 08000002	P	i	1	Cran, Daly 2008		N
Epiphragma	L	i	1	~~Bytes~~ Gel ~~2008~~ 2002		
Gammarus pseudolimnaeus	A	iiiii	24	Hols 1972		
Dugesiidae	A	i	1	Kobasa 1981		
Metacynorhora	A	i	1	Bain Geld 1991		
Tubificoid Naididae	A	i	1	Erse et al 2008	post frag	
Physa	A	xiiii	14	Brown 1991		
~~Split A3 Chironomidae~~	L	~~iiiiii~~				
Conchapelopia	L	iiii	4	CranEpl 2013		
Thienemanniella group	L	ii	2	"	imm	N
Orthocladiinae 08300000	L	i	1	Cranston 2013	imm	Y
Brillia	L	ii	2	And +3 2013	imm	N
B. flavifrons	L	iii	3	Epler 2001		
Corynoneura	L	ii	2	And +3 2013		
Heterotrissocladius marcidus group	L	i	1	"		
Limnophyes	L	i	1	"		
Parametriocnemus	L	iii	3	"		
Pseudorthocladius	L	i	1	"		
Chironomini 08330000	L	~~iiii~~ ii	2	Cranston 2013	mt indet	N
Paratanytarsus	L	iii	3	Epl et al 2013	mt indet	N
P. sp. A	L	iiii	4	Hils unpubl		
P. longistilus	L	i	1	Epl et al 2013		
Pseudosmittia obediens group	L	ii	2	Epler 2001	imm	
Polypedilum (Polypedilum) illinoense group	L	iii	3	Bolton 2012		
P. (Uresipedilum) aviceps	L	x-iii	13	"		