

Instructions: **Bold fields must be completed.**

Station Summary			
Waterbody Name MADDEN BR		Waterbody ID Code 939100	Sample ID (YYYYMMDD-CY-FD) 20171017-33-01
Sampling Location 50 m upstream of Knee Deep Rd NC-327			Database Key 150694054
SWIMS Station ID 333098		SWIMS Station Name MADDEN BRANCH CREEK - KNEE DEEP RD. (BI)	
Latitude 42.63172	Longitude 90.35494	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GRANT - PLATTE		Watershed Name GALENA RIVER	County LAFAYETTE

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2017

Sampling Device

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

Habitat Sampled

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

Total Sampling Time (min) 2	Estimated Area Sampled (m ²) 2	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) 10.4	D.O. (mg/l) 10.56	D.O. (% sat.) 94.2	pH (su) 7.75	Conductivity (umhos/cm) 769	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 80
 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

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			
				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:			
Physical							
Bank Erosion							
Channelization: - Upstream							
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Karla Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>8/11/18</i>	Specimens Saved <i>subsample archived in ABL until Nov 2021</i>	

2 = 91
01 = 1.111

Wisconsin Department of Natural Resources

ABL SampleNum: 20171017-33-01

Taxonomist: Dimick, Jeffrey

Waterbody: Madden Branch
SWIMS Database Key: 150694054

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	-1	6	Kluis 2016		
<i>B. flavistriga</i> group	L	-	5	"		
<i>Maccaffertium medianotatum</i>	L	1	1	"		
<i>Cheumatopsyche</i>	L	Bo-	65	Hils 1995		
<i>Hydropsyche batteni</i>	L	-11	7	Schm Hils 1986		
<i>Ceratopsyche</i>	L	10	4	Hils 1995	imm	N
<i>C. hirsuta</i>	L	01	21	Schm Hils 1986		
<i>C. sparna</i>	L	1	1	"		
<i>Optioservus fastiditus</i>	L	-111	9	Hils Schm 1992		
<i>Stenelmis</i>	L	111	4	"		
<i>Neoplasta</i>	L	1	1	Garrh Merr 2008		
<i>Simulium vittatum</i> species complex 05110217	L	0	20	Adl et al 2004		
<i>Simulium</i>	P	11	2	"		N
<i>Antocha</i>	L	1	1	Hils 1995		
<i>Eukiefferiella</i>	P	11	2	Ferr et al 2008		N
<i>Tuetenia</i>	P	11	2	"		N
<i>Cricotopus (Cricotopus)</i>	P	1	1	"		
<i>Tipula</i>	L	2	1	Hils 1995		
<i>Coelocneta</i>	A	4	2	Will 1972	Em/imm	
<i>Dugesiniidae</i>	A	11	3	Thorp Rog 2016		
<i>Tubificinae (without hairs)</i>	A	1	1	Klemm 1985		
<i>Pisidium</i>	A	111	3	Buch 1972		
<i>Epit A3 Chironomidae</i>	L	111	30			
<i>Conchapelopia</i> 06270700	L	1	1	Cran Epi 2013		
<i>Diamesa</i>	L	1	1	Saeth Ander 2013		
<i>Eukiefferiella claripennis</i> group	L	11	3	Ander + S 2013		
<i>Eu. devonica</i> group	L	11	2	"		
<i>Parametriocnemis</i>	L	111	4	"		
<i>Tuetenia bavaria</i> group	L	111	3	Bode 1983		
<i>Microtendipes pedellus</i> group	L	-11	7	Epl et al 2013		
<i>Paratanytarsus</i>	L	1	1	"	mt indet	
<i>Polypedilum (Uresipedilum) flavum</i>	L	x-111	18	Bolton 2012		
<i>P. (Polypedilum) illinoense</i> group	L	1	1	"		
<i>Rheotanytarsus</i>	L	11	2	Epl et al 2013		

L3 taxa, TVAL < 2.0