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)**
SOUTH BRANCH OCONTO RIVER	480900	20161005-34-08

Sampling Location	**Database Key**
@ STH 64 - downstream	133642147

SWIMS Station ID	**SWIMS Station Name**
10021592	SOUTH BRANCH OCONTO RIVER - 444M BELOW STH 64

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
45.19204	-88.67905	SWIMS SWDV (GPS)	WGS84 or (NAD83)

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	SOUTH BRANCH OCONTO RIVER	LANGLADE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
~~JAMES KLOSIEWSKI~~ Cunningham, Joe	NORTH DISTRICT NC STREAM STRATIFIED SITES 2016

Sampling Device

- [x] 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 min.	1 m^2	3 - 20 second kicks	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [x] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
13.0	10.9	103.7	probe issue	276	>120

Water Color

- [x] Clear
- [ ] 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: m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.3	7.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

Sand: 20 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 (%)** 40%

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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	U	
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	U	
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs	U	
Tributary(s)		
Wetland	U	
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Taylor Hauz	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
3-2-17	Subsample archived in DBL until Oct 2020	

A3 190

Wisconsin Department of Natural Resources
ABL SampleNum: **20161005-34-08**
Taxonomist: Dimick, Jeffrey

Waterbody: **South Branch Oconto River**
SWIMS Database Key: **133642147**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	-II	7	Hitchcock 1974		
Acroneuria	L	IIII	3	Hilsenhoff 1995		
Isoperla	L	I	1	"	imm	
Taeniopteryx	L	I	1	"	imm	
Ephemerella	L	IIII	4	Klubertanz 2016	imm	Y
E. subvaria	L	IIII	4	"		
Teloganopsis deficiens	L	X-IIII	19	"		
Leucrocuta	L	II	2	"		
Maccaffertium	L	-	5	"	imm	N
M. modestum	L	II	2	"		
M. vicarium	L	IIII	5	"		
Paraleptophlebia	L	III	3	"	dam	N
P. mollis	L	I	1	"		
Gomphidae	L	IIII	4	Need et al 2000	imm	
Glossosomatidae	L	I	1	Hilsenhoff 1995	imm	N
Glossosoma	L	IIII	4	"	imm	N
G. intermedium	L	-I	6	Waymer, Morse 2000		
Glossosoma	P	I	1	Wiggins 1996		
Chevmatopsyche	L	III	3	Hilsenhoff 1995		
Ceratopsyche morosa morosa form	L	I	1	Schm., Hils. 1986		
C. sparna	L	XII	13	"		
Lepidostoma	L	0-II	27	Hilsenhoff 1995		
Protoptila	L	-IIII	9	"		
Dolophilodes distinctus	L	-III	8	"		
Psychomyiidae	L	I	1	"	dam	
Neophylax	L	II	2	"	imm	
Nigronia serricornis	L	-I	6	Neunzig 1966		
Optioservus	L	X	10	Hils., Schm. 1992	imm	N
O. fastiditus	L	I	1	"		
O. trivittatus L, 13 A, 4	L, A	X-I	17	"		
Simulium tuberosum species complex	L	I	1	Adler et al 2004		
Antocha	L	IV	3	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	-III	8	Holsinger 1972		
Megadrili Lumbricidae	A	II	2	Brinkhurst 1971		
Tubificinae w/ capilliform chaetae	A	I	1	Klemm 1985		
Lumbriculus		III	3	Brinkhurst 1966		
Physa		III	3	Rogers 2016		

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Thienemanniniyia Group	L	1	1	Cran, Epler 2013	dam	
Eukiefferiella brehmi group	L	11	2	Anderson 2013		
Parachaetocladius	L	1	1	"		
Nanocladius (Pleopteracoluthus) species #5	L	11	2	Epler 2001		
Microtendipes rydalensis Group	L	11	2	Epler et al 2013		
Neostempellina reissi	L	1	1	"		
Rheotanytarsus	L	11	2	"		