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	870400	20171108-20-01

Sampling Location	**Database Key**
	149253297

SWIMS Station ID	**SWIMS Station Name**
10033671	UNNAMED TRIB TO SOUTH BRANCH ROCK RIVER AT WHOOLEY RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.6584	-88.76129	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
UPPER ROCK	UPPER ROCK RIVER	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	EAST DISTRICT NC STREAM STRATIFIED SITES 2017

Sampling Device

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

Habitat Sampled

- [X] 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. ____ of ____**
4	2.0	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Follow-up Monitoring / NCSR

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
37.6 °F	10.3	76.1	7.8	782.8	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)**
	0.2	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

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

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

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

Few specimens collected?

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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	PL	PL
Channelization: - Upstream	N	N
- Dow nstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Dow nstream	N	N
Low Flow	N	N
Sedimentation	PH	PH
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Kaylee Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 07/9/18	Specimens Saved: Subsample archived in ABL until Nov 2021	

C2=126

Wisconsin Department of Natural Resources
ABL SampleNum: **20171108-20-01**
Taxonomist: Dimick, Jeffrey

'body: **Unnamed Tributary to South Branch Rock River**
SWIMS Database Key: **149253297**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bonneiicolor	L	II	2	Klub 2016		
Stenacron	L	-II	7	"	imm	N
S. interpunctatum	L	-I	6	"		
Cheumatopsyche	L	IIII	4	Hils 1995		
Hydropsyche	L	I	1	"	imm	N
H. betteni	L	III	3	Schm Hils 1986		
Limnephilidae	L	I	1	Hils 1995	imm	
Psychomyia flavida	L	III	3	"		
Dubiraphia	L	I	1	Hils Schm 1992		
Ontrosevus fastiditus	L	I	1	"		
Stenelmis	L	III	3	"		
Probezzia	L	I	1	Hils 1995		
Mallochohelea	L	II	2	"		
Simulium vittatum species complex 08110217	L	I	1	Adl et al 2004		
Antocha	L	IIII	4	Hils 1995		
Pilaria	L	I	1	"		
Crangonyx pseudogracilis	A	III	3	Hils 1972		
Crangonyx	A	I	1	"	Fem	
Caecidotea intermedia	A	-II	7	Will 1972		
Belostoma flumineum	A	I	1	Hils 1984a		
Tubificinae (without hairs)	A	IIII	4	Klemm 1985		
~~Split 43 Chironomidae~~	L	~~+ III~~				
Corynoneura 08270700	L	I	1	Cran Epl 2013		
Zavrelimyia 08273000	L	IIII	4	"		
Orthocladiinae 08300000	L	I	1	Cranston 2013	mt indet	N
Brillia	L	II	2	Ander+3 2013	mt indet/ imm	
Corynoneura	L	I	1	"		
Parakiefferiella	L	II	2	"		
Parametriocnemus	L	/	5	"		
Thienemanniella	L	II	2	"	imm	
Tvetenia bavarica group	L	I	1	Bode 1983		
Orthocladius (Orthocladius)	L	I	1	Ander+3 2013		
Chironomini 08330000	L	I	1	Cranston 2013		
Micropsectra	L	-IIII	9	Epl et al 2013		
Microtendipes pedellus group	L	II	2	"		
Paratanytarsus	L	I	1	"	mt indet	N

1/3

<3 taxa, TVAL ≤ 2.0

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paratanytarsus sp. A	L	1	1	Wis. Invert		
P. sp. B	L	II	2	"		
Polypedilum (Polypedilum) illinoense group	L	III	3	Bolton 2012		
P. (Uresipedilum)	L	1	1	Epl. et al 2013	mt indet	
Rheotanytarsus	L	0	20	"		