Sample in 2 jars

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 O'NEILL CREEK	1749300	20171116-10-01

Sampling Location	**Database Key**
~1m US of bridge & under bridge	150694639

SWIMS Station ID	**SWIMS Station Name**
103148	SOUTH BRANCH O'NEILL CREEK AT MERIDIAN AVE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.5928952	-90.4362152	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
BLACK RIVER	O'NEILL AND CUNNINGHAM CREEKS	CLARK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
~~CAMILLE BRUHN~~ Raleigh, Mycal	WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRME

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.** ___ **of** ___
1	1.5	2	1 of 1

2 jars used

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
34°F					

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)**
	0.55	6.5

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 0

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)

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	U
- Filamentous Algae	N	U
- Planktonic Algae	N	U
Iron Bacteria	N	U
Macrophytes	N	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	U
- Dow nstream	N	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Dow nstream	N	U
Low Flow	N	U
Sedimentation	PH	U
Sludge	N	U
Thermal	U	U
Turbidity	U	U
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	U
Point Source - Specify:	N	U
Pasturing of Livestock	PH	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	PL	U
- Urban	N	U
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
Tributary(s)	U	U
Wetland	U	U
Other - Specify:		

Comments: Sampled overhanging vegetation ~1m US from bridge, and boulders under bridge. Only hard/rocky substrate present was under bridge. Pasture area upto banks US of bridge.

Special Instructions for Laboratory

Sample in 2 jars

For Lab Use Only

Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 2/9/18	Specimens Saved: subsample archived in MBL until Apr 2021	

D3-1146

Wisconsin Department of Natural Resources
ABL SampleNum: **20171116-10-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **South Branch O'Neill Creek**
SWIMS Database Key: **150694639**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-	5	Hilsenhoff 1995		
Calibaetis	L	I	1	Klubertanz 2016		
Caenis latipennis	L	III	3	"		
Eurylophella	L	I	1	"		
Stenacron interpunctatum	L	I	1	"		
Leptophlebia cupida	L	-II	7	"		
Calopteryx maculata	L	I	1	West., May 1996		
Coenagrion/Enallagma	L	I	1	Schmude, unpbl.		
Pycnopsyche	L	I	1	Hilsenhoff 1995		
Ptilostomis	L	I	1	"		
Dubiraphia	L	II	2	Hls, Schm. 1992		
Hyalella	A	I	1	Pennak 1978		
Caecidotea racovitzai racovitzai	A	-II	7	Williams 1972		
Belostoma flumineum	A	I	1	Hilsenhoff 1984a		
Nepenthocorixa vulgaris	A	I	1	"		
Naidinae	A	II	2	Brown, Gust. 2002		
Tubificoid Naididae w/o capilliform chaetae	A	I	1			
Conchapelopia	L	-III	8	Cran., Epler 2013		
Labrundinia pilosella	L	II	2	Epler 2001		
Zavrelimyia	L	-II	7	Cran., Epler 2013		
Ablabesmyia (Ablabesmyia)	L	I	1	"	imm	
Brillia	L	I	1	Anderson 2013	mt indet	
Chaetocladius piger group	L	III	3	"		
Diplocladius	L	II	2	"		
Parametriocnemus	L	IIII	4	"		
Nanocladius (Nanocladius) crassicornus/cf. rectinervis	L	I	1	Epler 2001		
Cricotopus/Orthocladius	L	I	1	Fer. et al. 2008	imm	Y
Cricotopus (Cricotopus) bicinctus group	L	III	3	Anderson 2013		
Cladotanytarsus	L	II	2	Epler et al 2013		
Dicrotendipes	L	I	1	"		
Micropsectra	L	IIII	24	"		
Paratanytarsus sp. A	L	II	32	Hilsenhoff unpbl.		
P. longistilus	L	II	2	Epler et al 2013		
Paratendipes	L	II	2	"		
Phaenopsectra flavipes	L	II	2	Bolton 2012		
Polypedilum (Polypedilum) illinoense group	L	I	1	"		

Wisconsin Department of Natural Resources
ABL SampleNum: **20171116-10-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **South Branch O'Neill Creek**
SWIMS Database Key: **150694639**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Polypedilum (Uresipedilum) flavum	L	|	1	Bolton 2012		
Rheotanytarsus	L	|	1	Epler et al 2013		
Tanytarsus	L	卌 ||	7	"		