

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH PINE LAKE CREEK		Waterbody ID Code 1581800	Sample ID (YYYYMMDD-CY-FD) 20161107-44-02
Sampling Location downstream Camp Four Rd			Database Key 133642123
SWIMS Station ID 10038285	SWIMS Station Name NORTH PINE LK CR - 114M DS CAMP FOUR RD		
Latitude 45.78897	Longitude -89.35012	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
Basin (WMU) UPPER WISCONSIN		Watershed Name RHINELANDER FLOWAGE	County ONEIDA

Sample and Site Descriptors

Sample Collector (Last Name, First) JAMES KLOSIEWSKI	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2016
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Sampling Device

☒ 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) 1 min	Estimated Area Sampled (m ²) 1.5 m ²	Number of Samples in Composite 3-20 second Kicks	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 7.9	D.O. (mg/l) 10.8	D.O. (%sat.) 91.833	pH (su) —	Conductivity (umhos/cm) 51	Transparency (cm) 7120
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Water Color ☐ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.25	Average Stream Width of reach (m) 1.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): 20
Sand: 30	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: 20	Coarse Woody Debris: 30	Other (____): _____
Embeddedness of Substrate at Sample Site (%) 30%		Canopy Cover at Sample Site (%) 70%	

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	U	
			Point Source - Specify:		
Physical			Pasturing of Livestock		
Bank Erosion	U		Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland	U	
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Andrew Krollmann	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 5/4/17	Specimens Saved Subsample archived in ABC lab Oct 2020	

2-94

3-143

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	I	1	Hilsenhoff 1995		
<i>Paracapnia angulata</i>	L	III	4	Hilsenhoff 1974		
<i>Acanthocyclops macdonoughi</i>	L	II	2	Kliber-Danz 2016		
<i>Eurylophella</i>	L	I	1	"	imm	
<i>Leptophlebia cupida</i>	L	III	3	"		
<i>Boyeria vinosa</i>	L	I	1	West et al 2000		
<i>Calopteryx</i>	L	I	1	West, May 1996	imm	
<i>Cheumatopsyche</i>	L	-I	6	Hilsenhoff 1995		
<i>Hydropsyche betteri</i>	L	I	1	Schm. Hils. 1986		
<i>Diplectrona modesta</i>	L	-II	7	Hilsenhoff 1995		
<i>Lepidostoma</i>	L	-I	6	"		
<i>Chironomus tentans</i>	L	I	1	Hilsenhoff 1982		
<i>O. fastidiosus</i>	L	III	3	Hils. Schm. 1992	imm	N
<i>Neoplasma</i>	L	I	1	Good, Men. 2008		
<i>Prosimulium</i>	L	80-11	67	Adler et al 2004	imm	
<i>Stegopterna</i>	L	II	2	"	imm	
<i>Chironomus</i>	L	-I	6	Hilsenhoff 1995		
<i>Pseudolimnephila</i>	L	I	1	"		
<i>Tipula</i>	L	III	4	"		
<i>Naididae</i>	A	II	2	Brim, C. L. 1991		
<i>Tubificinae w/o capilliform chaetae</i>	A	I	1	Klemm 1985		
<i>Psidium</i>	A	III	4	Burch 1972		
<i>Bezzia/Palpomyia</i>	L	I	1	Hilsenhoff 1995		
<i>Conchapelopia</i>	L	II	2	Cran, Epler 2013		
<i>Meropelopia</i>	L	III	3	"		
<i>Zanvelomyia</i>	L	III	3	"		
<i>Parametridiopsis</i>	L	81	31	Anderson 2013		
<i>Tritonia bavarica group</i>	L	-II	7	Bode 1983		
<i>Micropectra</i>	L	III	3	Epler et al 2013		
<i>Paratanytarsus longistylus</i>	L	I	1	"		
<i>Polypedium (Uresipedium) aviceps</i>	L	I	1	Bolton 2012		
<i>Rhytanytarsus</i>	L	-III	9	Epler et al 2013		