

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

Station Summary

Waterbody Name UNNAMED	Waterbody ID Code 301400	Sample ID (YYYYMMDD-CY-FD) 20221206-59-02
Sampling Location		Database Key 334620985

SWIMS Station ID 10056435	SWIMS Station Name UNT TO NORTH BRANCH EMBARRASS RIVER AT GLACIER TRAIL
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) WOLF RIVER	Watershed Name NORTH BRANCH AND MAINSTEM EMBARRASS	County SHAWANO
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW GILSDORF	Project Name PONY CREEK - NORTH BRANCH EMBARRASS RIVER TWA 20
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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) 15	Estimated Area Sampled (m²) 411 05	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)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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): _____
 Sand: 70 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 80

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			
Bank Erosion				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			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Reed, Kayla</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>17.2%</i>
Date Processed <i>3-28-2023</i>	Specimens Saved <i>201 subsample archived in ABC until Jul 2026</i>	

C2Q4-38 A2Q3-24 C4Q1-19 D1
Q1-20 Q4-
Q3-110 Q1-
(Q2-18 Q2-)
Q4-16
Q2-16
Q

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis tricaudatus</i>	L I		1	KWbertanz 2016		
<i>Ephemerella invaria</i>	L I		1	"		
<i>Maccaffertium vicarium</i>	L III		3	"		
<i>Allocapnia</i>	L I		1	MCB 2019		
<i>Paracapnia angulata</i>	L II		3	Hitchcock 1974		
<i>Amphinemura</i> & del/var	L I-III		34	MCB 2019		
<i>Nemoura arctica</i>	L I		1	Grubbs et al 2018		
<i>Prostoma</i>	L II		2	MCB 2019	imm	
<i>Paragnetina medea</i>	L I		1	Hilsenhoff 1995		
<i>Tenopteryx nivalis</i>	L I		1	Full Stew 1980		
<i>Ceratopsyche albedra</i>	L I		1	Schmitts 1986		
<i>C. glossina</i>	L III		8	"		
<i>Cheumatopsyche</i>	L I-III		29	MCB 2019		
<i>Rhyacopsyche</i>	L II		2	"		
<i>Chimarra aderrima</i>	L III		3	Hilsenhoff 1982		
<i>Nigronia serricornis</i>	L III		4	Newzig 1966		
<i>Lepidostoma</i>	L I		1	MCB 2019		
<i>Optiosevus</i> JD	L III		4	"	imm	N
<i>O. fastiditus</i> L, 47 A, 1	L, A I-III		8	Hilsenhoff 1992		
<i>Neoplasta</i>	L II		2	MCB 2019		
<i>Prosimulium</i>	L III		4	"	imm	
<i>Dicranota</i>	L II		2	"		
<i>Limnophila</i>	L III		3	"		
<i>Gammarus pseudolimnoides</i>	A XII		13	Holsinger 1972		
<i>Physa</i>	A I		1	Thorp Bog 2016		
<i>Speronidae</i>	A II		2	Peck et al 1990		
<i>Naididae</i>	A XII		12	Kath Bern 1989		Y
<i>Ophidoniais serpentina</i>	A V		2	"		
Spit A2 Chironomidae	L I-III		JD			
<i>Corynoneura</i>	L II		7	Ander et al 2013		
<i>Eukiefferella behmi</i> group	L II		2	"		
<i>Heterotrissocladius marcidus</i> group	L I		1	"		
<i>Parachrotrichia</i>	L I		1	"		
<i>Parametriocnemus</i>	L III		4	"		
<i>Twetenia bavaria</i> group	L XII		12	Bode 1983		
<i>Cladotanytarsus</i>	L III		4	Ander et al 2013		

