

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH BRANCH EMBARRASS RIVER		Waterbody ID Code 301300	Sample ID (YYYYMMDD-CY-FD) 20201615-59-07
Sampling Location			Database Key 258672018
SWIMS Station ID 10034820	SWIMS Station Name N BR EMBARRASS RIVER AT MAPLE RD		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER	Watershed Name NORTH BRANCH AND MAINSTEM EMBARRASS RIVER		County SHAWANO

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name 2020 TWA STRASSBURG CREEK- NORTH BRANCH EMBARRASS RIVER
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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) 3	Estimated Area Sampled (m²) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 7.4	D.O. (mg/l) 10.77	D.O. (% sat.) 89.8	pH (su)	Conductivity (umhos/cm) .312	Transparency (cm) 7122
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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 type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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) 6	Average Stream Width of reach (m) 0.3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%): 20 Canopy Cover at Sample Site (%): 10

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	N	N	Chlorine	N	U
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	U
- Downstream	N	N	Tile Drainage - Organic Soils	N	U
Low Flow	N	N	- Mineral Soils	N	U
Sedimentation	N	N	Springs	U	U
Sludge	N	N	Tributary(s)	U	U
Thermal	N	N	Wetland	U	U
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter RRV	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 1.5 %
Date Processed 9/16/21	Specimens Saved Subsample 161 archived in ABC under 1 Oct 2024	

A2Q2 C2Q1

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	MCB 2019	dam	N
B. brunneicolor	L	I	1	Klub 2016		
B. flavistorgia species complex	L	I	1	"		
Ephemerelek	L	II	2	MCB 2019	imm	Y
E. subvaria	L	X-III	20	Klub 2016		
Maccaffertium uccarium	L	III	3	"		
Leptophlebiidae	L	II	2	MCB 2019	imm	N
Neoleptophlebia	L	-II	7	"	dam/imm	
Paracapnia angulata	L	-IV	8	Hitch 1974		
Isoperla	L	I	1	MCB 2019	imm	
Glossosoma intermedium	L	I	1	WymMor 2000		
Ceratopsyche glossosomae	L	III	3	Schm Hils 1986		
Cheumatopsyche	L	0-1	26	MCB 2019		
Hydropsyche bettereri	L	III	5	Schm Hils 1986		
Lepidostoma	L	III	4	MCB 2019		
Nephylax	L	II	3	"	imm	
Optiosevus	L	0-1	22	"	imm	N
O. fastiditus	L, A	-1	6	Hils Schm 1992		
Hemerodromia	L	III	3	MCB 2019		
Dicranota	L	II	2	"		
Gammarus pseudolimnaeus	A	X-11	17	Hols 1972		
Dugesidae	A	I	1	Thorp Reg 2016		
Naididae	A	I	1	Kath Bain 1998		
Spit A2 Chironomidae	L	0-11				
Brillia	L	II	2	And et al 2013	imm	
Parameletrocnemus	L	II	2	"		
Meropelopia	L	II	2	"		
Orthocladinae	L	III	3	"	imm	N
Eukiefferella danjensis group	L	II	2	"		
E. denovica group	L	II	2	"		
Thienemannella	L	I	1	"	imm	
Tretania baranica group	L	III	3	Bode 1983		
Ciaotanytarsus	L	I	1	And et al 2013		
Paratanytarsus longistilus	L	II	2	"		
Polypedilum (Uresipedilum) aviceps	L	I	1	Belden 2012		