

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

Station Summary

Waterbody Name NORTH BRANCH EMBARRASS RIVER	Waterbody ID Code 301300	Sample ID (YYYYMMDD-CY-FD) 20201102-59-01
---	------------------------------------	---

Sampling Location	Database Key 258672014
--------------------------	----------------------------------

SWIMS Station ID 10034817	SWIMS Station Name N BR EMBARRASS RIVER AT E. SCHOOLHOUSE 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 EMBARRA	County SHAWANO
----------------------------------	--	--------------------------

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name 2020 TWA STRASSBURG CREEK- NORTH BRANCH EMBARRA
--	--

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) 8	Estimated Area Sampled (m²) 41	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	---	--	------------------------------------

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) 7122
------------------------	--------------------	----------------------	----------------	--------------------------------	----------------------------------

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)
--	--

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
--	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: 60 Overhanging Vegetation: 40
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 100 **Canopy Cover at Sample Site (%)** 90

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:	N	N	Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	U
Bank Erosion	U	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 <i>Elmer, Brenden</i>	Taxonomist <i>Domick, LePry</i>	Estimated Percent of Sample Sorted <i>43.8%</i>
Date Processed <i>9-22-2021</i>	Specimens Saved <i>Subsample 125 archived in ABC until Oct 2024</i>	

2 hrs
10 hrs

D4 Q2: 5
Q1: 4
Q3: 3
Q4: 2

B4 Q4: 2 *C3 D1 D3 A2 B2* - *B1 A3 B3 S4 A4*
Q3: 5 *4 3 12 8*
Q1: 5 *7 4 4 6*
Q2: 7 *6 7 3 5*
8 2 5 4

Wisconsin Department of Natural Resources

ABL SampleNum: 20201102-59-01

Taxonomist: Dimick, Jeffrey

Waterbody: North Branch Embarrass River

SWIMS Database Key: 258672014

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Leptophlebia	L	III	8	MCB 2019	imm	
Prostoma	L	I	1	"	imm	
Taeniopteryx burksi	L	XII	4	Fall Stew 1980		
T. nivalis	L	I	1	"		
Hesperocoryca	A	I	1	MCB 2019	dam	N
H. atopodonta	A	I	1	Hils 1984a		
H. interrupta	A	II	2	"		
H. mindrella	A	I	1	"		
Platycentropus	L	I	1	MCB 2019		
Liolessus affinis	A	XI	11	Hils 1984		
Optioservus	L	I	1	MCB 2019	imm	
Staphylinidae	A	I	1	"		
Hydraena	A	I	1	"		
Ceratopogonidae	L	I	1	"	dam	N
C. lepidus	L	-I	6	Hils 1985		
Probaetia	L	I	1	"		
Hemerodromia	L	I	1	MCB 2019		
Odonomyia	L	I	1	"		
Erioptera	L	II	2	"		
Pisania	L	I	1	"		
Tipula	L	I	1	"		
Dammarus pseudolimnaeus	A	VI	31	Hils 1972		
Acicidotea racovitzae racovitzae	A	I	1	Will 1972		
Fossaria	A	I	1	Burch 1989		
Physa	A	I	1	Thorp et al 2016		
Pisidium	A	III	3	"		
Enchytraeidae	A	I	1	"		
Cyclopidae	A	I	1	"		
Nauphoideida	A	I	1	"		
Entomobryomorpha	A	I	1	MCB 2019		
SpitiAza Chironomidae	L	8x III				
SpitiAza Chironomidae	L	14x III				
Brillia flavifrons	L	I	1	Epler 2001		
Microtendipes pedellus group	L	II	2	And et al 2013		
Meropelopia	L	I	1	"	JSD	
Tanyptera	L	I	1	"	int med	N

