

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNT to N. Br. Embarrass River		Waterbody ID Code 7215131	Sample ID (YYYYMMDD-CY-FD) 20201015-59-01
Sampling Location			Database Key 258672054
SWIMS Station ID 10054581		SWIMS Station Name UNT TO NORTH BRANCH EMBARRASS RIVER 15M US LAKE RD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County

Sample and Site Descriptors

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

RIVER (HUC 040302021201)

☒ 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) 4	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: _____

Water Temp. (C) 7.1	D.O. (mg/l) 9.74	D.O. (% sat.) 80.6	pH (su)	Conductivity (umhos/cm) 200.2	Transparency (cm) 7122
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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) 0.15	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 20	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 40
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: 20	Coarse Woody Debris: _____	Other (): _____
Embeddedness of Substrate at Sample Site (%) 10		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	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
			Pasturing of Livestock	N	U
Physical			Runoff: - Barnyard	N	U
Bank Erosion	N	U	- Construction	N	N
Channelization: - Upstream	N	N	- Cropland	N	U
- Downstream	N	N	- Urban	N	N
Hydraulic Scour / Channel Incision	N	N	Septic Systems	N	U
Impoundment: - Upstream	N	N	Tile Drainage - Organic Soils	N	U
- Downstream	N	N	- Mineral Soils	N	U
Low Flow	N	N	Springs	U	U
Sedimentation	N	N	Tributary(s)	U	U
Sludge	N	N	Wetland	U	U
Thermal	N	N	Other - Specify:		
Turbidity	N	N			
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Dunn, Isabel	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 15.6%
Date Processed 7/22/2021	Specimens Saved Subsample archived in ABC until Oct 2024	

1:45-
5:45

C3 A4 B1
4-16 1-16 1-11
2-17 2-24 3-15
1-25 4-4
3-10 2

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Diplectrona modesta</i>	L	III	5	Hols 1995		
<i>Lepidostoma</i>	L	XII	12	MCB 2019		
<i>Limnephilidae</i>	L	I	1	"	imm	N
<i>Limnephilus</i>	L	II	2	"		
<i>Pycnopsyche</i>	L	I	1	"		
<i>Philopotamidae</i>	P	I	1	"		N
<i>Dolophripdes distinctus</i>	L	I	1	Hols 1995		
<i>Lype diversa</i>	L	I	1	"		
<i>Physocephala invaria</i> group	L	II	2	Pra Mar 2001		
<i>Optioservus</i>	L	XI	16	MCB 2019	imm	N
<i>O. fastidius</i>	L, A	III	3	Hols Schm 1992		
<i>Dasyhelea</i>	L	I	1	MCB 2019		
<i>Corynoneura</i>	P	II	2	"		
<i>Pteronema</i>	L	III	3	"		
<i>Dixaefia</i>	L	I	1	"		
<i>Gammarus pseudocammarus</i>	A	B-III	49	Hols 1972		
<i>Dugesidae</i>	A	I	1	Thompson 2016		
<i>Pisidium</i>	A	XIII	13	"		
<i>Naicinae</i>	A	III	3	Katlin Brin 1998		
<i>Hypophyes</i>	A	III	5	Peck et al 1990		
<i>Lepidostoma</i>	A	I	6	"		
<i>Sperchonidae</i>	A	I	5	"		
<i>Spiliza chironomidae</i>	L	X-III	130			
<i>Parameciocnemus</i>	L	III	4	And et al 2013		
<i>Chironomidae</i>	L	I	1	MCB 2019	dam	N
<i>Meropelopia</i>	L	I	1	And et al 2013		
<i>Zarelimyia</i>	L	II	2	"		
<i>Orthocladiinae</i>	L	I	1	"	imm	N
<i>Nanocladius</i>	L	I	1	"	imm	
<i>Phlebotomus</i>	L	I	1	"		
<i>Chironominae</i>	L	I	1	"	unk indet	N
<i>Microsestra</i>	L	III	9	"		
<i>Phlebotomus</i>	L	X	15	"		
<i>Tanytarsus</i>	L	II	2	"		