

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name <u>Unnamed</u>		Waterbody ID Code <u>317600</u>	Sample ID (YYYYMMDD-CY-FD) <u>20210923-45-06</u>
Sampling Location <u>US Confluence CTH VV</u>			Database Key 293164323
SWIMS Station ID 10055741	SWIMS Station Name UNT TO TOAD CREEK 10M US CTH VV		
Latitude <u>44.56034</u>	Longitude <u>-88.40811</u>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) <u>Wolf River</u>		Watershed Name <u>Shioc River</u>	County <u>Outagamie</u>

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name TOAD CREEK- TWA
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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) <u>6</u>	Estimated Area Sampled (m ²) <u>5</u>	Number of Samples in Composite <u>1</u>	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: <u>Targeted Watershed Assessment</u>

Water Temp. (C) <u>13.84</u>	D.O. (mg/l) <u>8.5</u>	D.O. (% sat.) <u>83.6</u>	pH (su) <u>7.74</u>	Conductivity (umhos/cm) <u>.949</u>	Transparency (cm) <u>>122</u>
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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) <u>0.1</u>	Average Stream Width of reach (m) <u>2</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): _____
Sand: _____	Clay: _____	Silt/Muck: <u>80</u>	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: <u>20</u>	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) <u>—</u>	Canopy Cover at Sample Site (%) <u>80</u>
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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:		
Physical			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>McClure, Katherine</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>15.6%</i>
Date Processed <i>7/9/2022</i>	Specimens Saved <i>Subsample archived in ABC until Sept 2025</i>	

B393:14
B391:13
B392:15
B394:9
D292:8
D293:10
D294:14
D291:24
C191:15
C194:13

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	MCB 2019	dam	
Caenis	L	1	1	"	dam	
Coloburiscus	L	1	1	"	imm	
Allocaenidia	L	1	1	"		
Sigara grossolineata	A	1	5	Hols 1984a		
Deceus	L	III	4	MCB 2019	imm	
Phlebotomus	L	"	2	"		
Chaetodes perfrons	L	1	1	Hazard 1960		
Dubiraphia	L	1	1	MCB 2019		
Walipius	L	1	1	"		
Cuticoides	L	1	1	Hols 1985		
Prohezza	L	Brown	50	"		
Tanypterus	P	1	1	MCB 2019	dam	N
Tanypterus	P	1	7	"		N
Simulium bracteatum	L	1	1	Adl et al 2004		
Chrysops	L	1	1	MCB 2019		
Pilania	L	1	1	"		
Pseudolimniphila	L	1	1	"		
Hyalella azteca	A	III	4	Sue et al 2015		
Caecidotea	A	"	2	Will 1972		
Phylla	A	III	3	Thorp Reg 2016		
Gyrinus deflexus	A	1	1	"		
Pisidium	A	III	3	"	imm	N
Pisidium	A	BBrown	103	"		
Sphaerium	A	1	1	"	imm	
Enchytraeidae	A	1	1	"		
Naicma	A	III	4	Kath Binn 1998		
Tubificoides (with hairs)	A	0-11	27	"		Y
Tubificoides (without hairs)	A	-11	7	"		Y
Glossophariidae	A	"	2	Thorp Reg 2016	dam/imm	
Podocopta	A	XI	11	"		
Cydopidae	A	"	2	"		
Spilostomatidae	L	0-11-25				
Ceratopogon	L	III	3	And et al 2013		
Corynephila	L	III	9	"		
Limnephila	L	1	1	"		

[illegible]