

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNT to Toad Creek		Waterbody ID Code 317600	Sample ID (YYYYMMDD-CY-FD) 20210923-45-02
Sampling Location US Brugger Rd			Database Key 293164327
SWIMS Station ID 10055740	SWIMS Station Name UNT TO TOAD CREEK 8M US BRUGGER ROAD		
Latitude 44.54533	Longitude -88.46890	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) Wolf River		Watershed Name Shioe River	County Outagamie

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name TOAD CREEK- TWA
---	---------------------------------

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) 5	Estimated Area Sampled (m ²) 10	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
--------------------------------	--	-------------------------------------	------------------------------------

Reason For Sampling

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

Water Temp. (C) 12.64	D.O. (mg/l) 7.91	D.O. (% sat.) 74	pH (su) 7.24	Conductivity (umhos/cm) .550	Transparency (cm) >122
--------------------------	---------------------	---------------------	-----------------	---------------------------------	---------------------------

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)
---	---

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .15	Average Stream Width of reach (m) 2
---	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>10</u>
Sand: _____	Clay: _____	Silt/Muck: <u>60</u>	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) <u>80</u>	Canopy Cover at Sample Site (%) <u>0</u>
--	--

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>Katherine McClure</i>	Taxonomist <i>Dimick, Jeffney</i>	Estimated Percent of Sample Sorted <i>17.2%</i>
Date Processed <i>6/30/12</i>	Specimens Saved <i>Subsample archived in Lab until Sept 2025</i>	

B3a3:15
B3Q1:8
B3Q4:9
B3Q2:6
A2Q2:9
A2Q1:18
A2Q3:15
A2Q4:5
A1Q1:10
A1Q3:25
A1Q4:6

126

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	III	4	MCB 2019	imm	
Aeshnidae	L	I	1	"	dam	
Coenagrionidae	L	II	2	"	imm	
Belostomatidae	A	I	1	Hils 1984a		
Corixidae	A	III	3	MCB 2019	imm	
Sigara bicoloripennis	A	I	1	Hils 1984a		
S. grossolineata	A	DI	21	"		
Trichocorixa sexnotata	A	I	1	"		
Neonela striata	A	II	2	Hils 1985		
Ptilostomis	L	I	1	MCB 2019		
Dytiscidae Hydrophilinae	L	I	1	"		
Haliphus	L	II	2	"		N
H. immaculicollis	A	I	1	Hils Brigs 1978		
Peltodytes edentulus	A	I	1	"		
Bezzia / Palpomyia	L	I	1	Hils 1985		
Climacomyia	P	II	2	MCB 2019		N
Anopheles	L	II	2	"		
Nyalalla azteca	A	8-III	49	Savoca et al 2015		
Caecidota	A	8-III	39	Thorp Reg 2016	Per/imm	
Stagnum	A	I	1	Burke 1989		
Physa	A	III	4	Thorp Reg 2016		
Gyrinus deflexus	A	I	1	"		
Hydriidae	A	II	2	"		
Enchytraeidae	A	III	9	"		
Naididae	A	271	271	Kahn Brn 1990		
Tubificinae (with hairs)	A	21	15	"		Y
Tubificinae (without hairs)	A	8880	140	"		Y
Chydoridae	A	I	5	Thorp Reg 2016		
Daphniidae	A	510	510	"		
Podocopa	A	I	6	"		
Cyclopidae	A	8888	165	"		
Harpacticoida	A	0	20	"		
Split to Chironomidae	L	0-III	210			
Comptosia	L	II	2	And et al 2013		
Ablabesmyia (Ablabesmyia)	L	I	1	"	imm	
Psectrocampus	L	II	2	"		

[illegible]