

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <u>Toad Creek</u>		Waterbody ID Code <u>317600</u>	Sample ID (YYYYMMDD-CY-FD) <u>20210923-45-07</u>
Sampling Location <u>US Elm Lawn Road</u>			Database Key 293164303
SWIMS Station ID 10055739		SWIMS Station Name TOAD CREEK 15M US ELM LAWN ROAD	
Latitude <u>44.55631</u>	Longitude <u>-88.36800</u>	Lat/Long Determination Method (circle) SWIMS <u>(SWDV)</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) <u>Wolf River</u>		Watershed Name <u>Shiow River</u>	County <u>Outagamie</u>

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) <u>3</u>	Estimated Area Sampled (m ²) <u>10</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: Targeted Watershed Assessment

Water Temp. (C) <u>14.03</u>	D.O. (mg/l) <u>9.4</u>	D.O. (% sat.) <u>88.1</u>	pH (su) <u>8.01</u>	Conductivity (umhos/cm) <u>0.816</u>	Transparency (cm) <u>>122</u>
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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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) <u>0.15</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: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) 40

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, Jeffrey</i>	Estimated Percent of Sample Sorted <i>12.5%</i>
Date Processed <i>7/13/2022</i>	Specimens Saved <i>Subsample archived in ABC until Sept 2025</i>	

C494:37 A292:23
C491:7 A293:14
C493:3 A291:14
C492:14 A294:14

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Caenis punctata</i>	L	ii	2	Hils 2016		
<i>Stenopoma femuratum</i>	L	i	1	MCB 2019		
<i>Leptophlebia</i>	L	iii	5	"	imm	
<i>Coenagrionidae</i>	L	i	1	"	imm	
<i>Samatobochlora elongata</i>	L	i	1	Tennison 2019		
<i>Decebes</i>	L	ii	2	MCB 2019	imm	
Coleoptera	L	i	1	"	terr?	
<i>Dubiochiron</i>	L	B-ii	4B	"		N
<i>D. quadripunctata</i>	A	i	1	Hilschm 1992		
<i>Ophiocercus</i>	L	i	1	MCB 2019	imm	
<i>Corynoicera</i>	P	i	1	"		N
<i>Thienemannella</i>	P	i	1	"		
<i>Probezzia</i>	L	-i	6	Hils 1985		
<i>Nemeroctena</i>	L	i	1	MCB 2019		
<i>Chrysops</i>	L	iii	3	"		
<i>Hyalinaria azteca</i>	A	-	5	Sore et al 2015		
<i>Percnoma</i>	L	ii	2	Hils 1985		
<i>Caeridotea</i>	A	iii	4	Thorp Pags 2016	imm	
<i>Fossaria</i>	A	i	1	Burch 1989		
<i>Gynaulus crista</i>	A	i	1	Thorp Pags 2016		
<i>Meloboris anceps</i>	A	iii	3	Burch 1989	imm	
<i>Pisidium</i>	A	x	10	Thorp Pags 2016		
<i>Lebertia</i>	A	-	5	Tack et al 1990		
<i>Enchytraeidae</i>	A	ii	2	Thorp Pags 2016		
<i>Naidinae</i>	A	ii	2	Kath Brink KB		
<i>Tubificinae (with hairs)</i>	A	x-ii	17	"		Y
<i>Tubificinae (without hairs)</i>	A	ii	2	"		Y
<i>Radocoptida</i>	A	i	1	Thorp Pags 2016		
<i>Physa</i>	A	i	1	"		
<i>Spilota chironomidae</i>	L	B-iii				
<i>Corynoicera</i>	L	x	11	And et al 2013		
<i>Cryptochironomus</i>	L	iii	8	"		
<i>Cyclopidae</i>	A	ii	2	Thorp Pags 2016		
<i>Tanytardinae</i>	L	i	1	And et al 2013	imm	N
<i>Thienemannimyxa group</i>	L	-	5	"	imm	
<i>Brillia</i>	L	ii	2	"	imm	
<i>Hydrobaenus</i>	L	i	1	"		

