State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Toad Creek	317600	20210923-45-05

Sampling Location	**Database Key**
US CTH VV	293164307

SWIMS Station ID	**SWIMS Station Name**
10055738	TOAD CREEK 20 M US CTH VV

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.55908	-88.39782	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
Wolf River	Shioc River	Outagamie

Sample and Site Descriptors

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

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [x] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.**
3	8	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Targeted Watershed Assessment

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
13.11	11.72	113.5	7.84	.923	>122

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [x] 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)**	**Average Stream Width of reach (m)**
	0.2	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 80

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Stream and Watershed Descriptors

deerfly

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
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Katherine MCClure	Dimick, Jeffrey	4.7%
Date Processed	**Specimens Saved**	
7/9/22	Sub sample archived in ABL until Sept 2025	

D191: 36 C494: 78
D194: 60 C492:
D193: C491:
D192: C493:

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Wisconsin Department of Natural Resources
ABL SampleNum: **20210923-45-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **Toad Creek**
SWIMS Database Key: **293164307**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	-IIII	9	Klub 2016		
Caenis	L	I	1	MCB 2019	imm	N
C. punctata	L	III	3	Klub 2016		
Stenonema femoratum	L	I	1	MCB 2019		
Leptophlebiidae	L	MI	3	"	imm	N
Leptophlebia	L	III	3	"	imm	
Coenagrionidae	L	I	1	"	dam	
Chimarra/psyche	L	I	1	"		
Hydropsyche betteni	L	I	1	Schm Hils 1986		
Leptoceridae	L	I	1	MCB 2019	imm	Y
Oecetis	L	II	2	"	imm	
Dubiraphia	L	BB-III	90	"		N
D. quadrinotata	A	-IIII	9	Hils Schm 1992		
Optioservus	L	I	1	MCB 2019	imm	N
O. fastidiosus	L	IIII	4	Hils Schm 1992		
Haliplus	L	I	1	MCB 2019		
Listrotanus	A	I	1	Hils 1995		
Probezzia	L	I	1	"		
Bezzia/Palpomyia	L	I	1	"		
Chrysops	L	IIII	4	MCB 2019		
Hyalella azteca	A	OIIII	24	Saur et al 2015		
Coccicotea	A	IIII	4	Thorp Rog 2016	fem	
Hydridae	A	-	5	"		
Physa	A	-IIII	9	"		
Gyraulus	A	I	1	"		
Pisidiidae	A	II	2	"	imm	N
Pisidium	A	-IIII	9	"		
Naidinae	A	IIII	5	Kath Brin 1998		
Tubificinae (with hairs)	A	OIIII	24	"		Y
Tubificinae (without hairs)	A	-IIII	9	"		Y
Helobdella elrensis	A	I	1	Saglam et al 2018		
Lebertia	A	III	3	Peck et al 1990		
Harpacticoida	A	?	1	Thorp Rog 2016		
~~Split Ag Chironomidae~~	L	OIII-JSD				
Microtendipes pedellus Group	L	#1	6	And et al 2013		
Conchapelopia	L	III	3	"		

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Thienemanniella group	L	ıı	2	And et al 2013	mm	N
Parakiefferiella	L	ıın	4	"		
Thienemanniella xena	L	ı	1	Bolton 2012		
Chironomini	L	ı	1	And et al 2013	im m	N
Paratanytarsus species A	L	ı	1	Wiks unpubl		
Polypedilum (Uresipedilum) flavum	L	ı	1	Bolton 2012		
Stictochironomus	L	/	5	And et al 2013		