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) Page 1 of 2

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
TROUT CREEK	410200	20171004-05-01

Sampling Location	**Database Key**
N. Overland Rd 15 m US	149402435

SWIMS Station ID	**SWIMS Station Name**
10008254	TROUT CREEK (2) 17.6M UPSTREAM OF OVERLAND RD.

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

Basin (WMU)	**Watershed Name**	**County**
LOWER FOX	DUCK CREEK	BROWN

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST DISTRICT NC STREAM STRATIFIED SITES 2017

Sampling Device

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

Habitat Sampled

- [x] Riffle
- [ ] 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.** ___ **of** ___
3	2	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Natural Community

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
15.9	8.06	82.2	8.0	607 8	>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)**
	0.15	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 50

Sand: 40 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 80

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Kaylin Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 70%
Date Processed: 7/6/18	Specimens Saved: Subsample archived in ABC inv. (Nov 2021)	

D2-241

Wisconsin Department of Natural Resources
ABL SampleNum: **20171004-05-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Trout Creek**
SWIMS Database Key: **149402435**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	I	1	Hils 1995		
Baetis brunneicolor	L	/	5	Kluh 2016		
Aeshnidae	L	I	1	Need et al 2000	dam	Y
Boyeria vinosa	L	II	2	"		
Calopterygidae	L	II	2	West May 1996	imm	N
Calopteryx	L	I	1	"	imm	
Glossosoma intermedium	L	I	1	Wym Mor 2000		
Cheumatopsyche	L	ØØ IIII	74	Hils 1995		
Hydropsyche	L	ЖI II	7	"	imm	
Ceratopsyche slossonae	L	III	3	Schm Hils 1986		
Pycnopsyche	L	I	1	Hils 1995		
Nigronia serricornis	L	I	1	Neun 1966		
Optioservus	L	ØØ I	61	Hils Schm 1992	imm	N
O. fastiditus L 2 A 5	L, A	–II	7	"		
Atherix variegata	L	I	1	Hils 1995		
Neoplasta	L	I	1	Court Merr 2008		
Simulium jenningsi species group	L	I	1	Adler et al 2004	imm	
Tipula	L	–I	6	Hils 1995		
Corynoneura	P	I	1	Ferr et al 2008		
Tvetenia	P	I	1	"		N
Gammarus pseudolimnaeus	A	–I	6	Hols 1972		
Naidinae	A	\	1	Brin Gelf 1991		
~~Split A3 Chironomidae~~	~~L~~	~~XIII~~				
Corynoneura	L	+III	8	Ander +3 2013		N
Orthocladiinae 08300000	L	II	2	Cranston 2013	imm	N
Brillia	L	III	3	Ander +3 2013	mt indet/ imm	
Parametriocnemus	L	X–I	16	"		
Thienemanniella xena	L	I	1	Bolton 2012		
Tvetenia bavarica group	L	X–I	16	Bode 1983		
Chironominae 08330000	L	–III	8	Cranston 2013	mt indet/ imm	N
Cladotanytarsus	L	/	5	Epl et al 2013		
Micropsectra	L	III	3	"		
Paratanytarsus sp. A	L	I	1	Hils unpubl		
P. longistilus	L	II	2	Epl et al 2013		
Polypedilum	L	II	2	"	mt indet	Y
P. (Uresipedilum) aviceps	L	ØI	21	Bolton 2012		

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Rheotanytarsus	L	-11	7	Epler et al 2013		