Sample in 2 jars

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)**
UNT to Little Peshtigo River		20180927-43-05

Sampling Location	**Database Key**
	168363524

SWIMS Station ID	**SWIMS Station Name**
10048215	UNT TO LITTLE PESHTIGO RIVER AT 16TH ROAD

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

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	LITTLE PESHTIGO RIVER	MARINETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST DISTRICT NC STREAM STRATIFIED SITES 2018

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**	
3	3	2	**Replicate No.** 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)**
10.8	4.5	41.4	7.69	483.5	>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)**
	.3	2

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: 50 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 50 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 100 **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	PL	PL
Channelization: - Upstream	U	U
- Downstream	U	U
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	PL	PL
Sedimentation	PH	PH
Sludge	U	U
Thermal	U	U
Turbidity	U	U
Other - Specify:		

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

Comments

Special Instructions for Laboratory

Sample in 2 jars

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick Jeffrey	27%
Date Processed	**Specimens Saved**	
7/24/19	134	

C2= 68 D2= 66
D1= A2=

134 subsample archived in ABL until Oct 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20180927-43-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Little Peshtigo River**
SWIMS Database Key: **168363524**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bovmeicolor	L	IIII	3	Klub 2016		
Sialis	L	I	1	Hils 1995		
Helichus striatus	A	III	3	Hilsenhoff 1992		
Dubiraphia	L	I	1	"		
Optioservus	L	I	1	"	immature	
Hydrocolus pugus	A	I	1	Hils 1995a		
Staphylinidae	A	I	1	Whitebough 2008		
Anocha	L	I	1	Hils 1995		
Tipula	L	I	1	"		
Dixella	L	I	1	"		
Chironomidae 08250002	P	I	1	Merrwebb 2008	damaged	N
Gammarus pseudolimnaeus	A	BB	70	Hols 1972		
Caecidotea intermedia	A	-III	8	Will 1972		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
Megadrili = Metagynophora	A	I	1	Thorp Rog 2016		
Pisidium	A	I	1	Mackie 2007		
~~Split A3 Chironomidae~~	~~L~~	~~I WD~~				
Micropelopia	L	I	1	Cran Epl 2013		
Procladius	L	I	1	"	immature	N
P. (Holotanypus)	L	-I	6	"		
Thienemanniella group	L	II	2	"	not indet immature	N
Corynoneura	L	XIII	13	And+3 2013		
Limnophyes	L	II	2	"		
Thienemanniella xena	L	II	2	Bolton 2012		
Chironomus	L	X	10	Epl et al 2013		
Paratanytarsus	L	I	1	"	not indet	Y
P. longistilus	L	I	1	"		
Phaenopsectra flavipes	L	I	1	Bolton 2012		
Polypedilum (Polypedilum) illinoense group	L	I	1	"		
Tanytarsus	L	I	1	Epl et al 2013		