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 River		20191017-43-01

Sampling Location	**Database Key**
Belgian Road	210284845

SWIMS Station ID	**SWIMS Station Name**
10052998	UNT TO LITTLE RIVER - BELGIAN 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 RIVER	OCONTO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	LITTLE RIVER TWA ASSESSMENT 2018, 2019

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	6	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
8.8	7.34	63.5	7.4	699	7122

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	2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10

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

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

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 0

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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	N	U
Channelization: - Upstream	PL	PL
- Downstream	PL	PL
Hydraulic Scour / Channel Incision	U	U
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	U	N
Sedimentation	U	U
Sludge	N	N
Thermal	U	U
Turbidity	U	U
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kiersten Czarnecki	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
1/16/2020	Subsample archived in NBL until Apr 2023	

C2:162

Wisconsin Department of Natural Resources
ABL SampleNum: **20191017-43-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Little River**
SWIMS Database Key: **210284845**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Nydropsyche betteni	L	x1	11	Schm Hils 1986		
Ephydridae	P	-1	6	Merr Webb 2008		
Simulium vittatum species complex 08110217	L	1	1	Adl et al 2004		
Ericoptera	L	1	1	Hils 1995		
Caecidotea intermedia	A	80-11	77	Will 1972		
Tubificinae (without hairs)	A	IIII	4	Klemm 1985		Y
Tubificinae (with hairs)	A	-1	6	"		Y
Helobdella stagnalis species complex	A	1	1	Sagal et al 2018		
Erpobdella punctata punctata	A	1	1	Klemm 1985		
~~Split A3 chironomidae~~	L	II - J30				
Conchapelopia 08270700	L	IIII	4	Cran Epl 2013		
Cricotopus (Isocladius) sylvestris group	L	1	1	And + 3 2013		
Diplocladius	L	-	5	"		
Parametriocnemus	L	III	4	"		
Thienemanniella xena	L	-	5	Bolton 2012		
Chironomidae 08330000	L	1	1	Cranston 2013	mt indet	N
Micropsectra	L	-III	8	Epl et al 2013		
Paratanytarsus	L	II	2	"	mt indet	N
P. species A	L	II	2	Hils unpubl		
Phaenopsectra punctipes Group	L	1	1	Epler 2001	mt indet	
Polypedilum	L	1	1	Epl et al 2013	imm	N
P. (Polypedilum) illinoense group	L	III	3	Bolton 2012		
P. (P.) laetum group	L	1	1	"		
P. (Uresipedilum) flavum	L	81	31	"		

<3 taxa. TVAL ≤ 2.0