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)**
LITTLE RIVER	441300	20191017-43-03

Sampling Location	**Database Key**
CTH A	210284809

SWIMS Station ID	**SWIMS Station Name**
433048	LITTLE R - CTH A ABOVE JONES CRK

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**	
5	10	1	**Replicate No.**_____ **of** _____

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
7.7	11.6	97.7	7.9	325.7	>122

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [x] 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)**
	1.0	15

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30

Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 40 **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	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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Coash, Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 1/16/20	Specimens Saved: Subsample archived in ABL until Apr 2023	

C3-84
A3-98
182

Wisconsin Department of Natural Resources
ABL SampleNum: **20191017-43-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little River**
SWIMS Database Key: **210284809**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	-I	6	Kloh 2016		
Heptageniidae	L	I	1	"	imm	N
Leucrocuta	L	X-	35	"		
Maccaffertium	L	IIII	5	"	imm	Y
M. mediopunctatum	L	XIII	13	"		
M. vicarium	L	-	5	"		
Leptophlebia	L	-I	6	"	imm	
Isonychia	L	-	5	"	imm	
Perlodidae	L	II	2	Hils 1995	dem/imm	N
Isoperla signata	L	-III	9	Hils 1982		
Acroneuria lycorias	L	I	1	Hilsenhoff 1975		
Paragnetina media	L	I	1	Hils 1995		
Taeniopteryx	L	-	5	"		
Arsia	L	I	1	West May 1996	imm	
~~Cer~~ Ceratopsyche	L	II	2	Hils 1995	imm	N
C. bronta	L	-	5	Schm Hils 1986		
Cheumatopsyche	L	XI	11	Hils 1995		
Nyctiophylax	L	I	1	"		
Psychomyia flavida	L	-III	8	"		
Neophylax	L	I	1	"	imm	
Macronychus glabratus	L	I	1	Hils Schm 1992		
Optioservus	L	I	1	"	imm	N
O. fastiditus	L	IIII	4	"		
O. trivittatus	L	-I	6	"		
Stenelmis	L	III	3	"		N
S. crenata	A	I	1	"		
Psephenus herricki	L	IIII	4	"		
Nemerodromia	L	I	1	Coon Merr 2008		
Antocha	L	-I	6	Hils 1995		
Dicranota	L	I	1	"		
Gammarus pseudolimnaeus	A	I	1	Hoffs 1972		
Tubificine (without hairs)	A	I	1	Klemm 1985		
Sphaerium	A	I	1	Mackie 2007		
Lopescladius	L	I	1	And + 3 2013		
Nanocladius (Plecopteracoluthus)	L	I	1	"	imm	
Cladotanytarsus	L	X	10	Epl et al 2013		
Cryptochironomus	L	I	1	"		

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Microtendipes pedellus group	L	xv	15	Epler et al 2013		
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		
Rheotanytarsus	L	III	3	Epler et al 2013		