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	20191017-43-06

Sampling Location	**Database Key**
STH 22	210284817

SWIMS Station ID	**SWIMS Station Name**
433205	LITTLE RIVER AT STH 22

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**	
4	8	1	**Replicate No.**_____ **of** _____

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)**
7.8	10.9	91.8	7.9	303	>122

Water Color

- [ ] Clear
- [ ] Turbid
- [x] 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	20

Composition of Substrate Sampled (Percent):

Bedrock:_____ Boulders (basketball or larger):_____ Rubble (tennisball to basketball): 40 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 (%) 60 **Canopy Cover at Sample Site (%)** 20

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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		
- 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: 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	

E3-48 > 136
B2-88

Wisconsin Department of Natural Resources
ABL SampleNum: **20191017-43-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little River**
SWIMS Database Key: **210284817**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	I	1	Klub 2016		
Baetis Flavistriga species complex	L	I	1	"		
Caenis punctata	L	I	1	"		
Heptageniidae	L	I	1	"	imm	N
Leucrocuta	L	X-IIII	20	"		
Maccaffertium	L	I	1	"	imm	Y
M. mediopunctatum	L	OI	21	"		
M. vicarium	L	I	1	"		
Acroneuria lycorias	L	I	1	Ulrich 1974		
Isoperla signata	L	I	1	Wils 1982		
Taeniopteryx	L	III	3	Wils 1995	imm	
Ceratopsyche	L	I	1	"	imm	N
C. bronta	L	-II	7	Schm/Wils 1986		
Cheumatopsyche	L	I	1	Wils 1995		
Psychomyia flavida	L	I	1	"		
Optioservus	L	XIII	13	Wils Schm 1992	mm	N
O. fastidiosus	L	XII	12	"		
O. trivittatus L, 26 A, 1	L/A	O-II	27	"		
Stenelmis	L	III	3	"		
Psephenus herricki	L	II	2	"		
Atherix variegata	L	II	2			
Simuliidae	P	I	1	Merr Webb 2008	dam	
Protoptila	L	I	1	Wils 1995		
Oreonectes	A	I	1	Hobbs Jass 1988	imm	
Pisidium	A	-IIII	9	Mackie 2007		
Sphaerium	A	-I	6	"		
Leberdia	A	I	1	Pluchino 1984		
Branchiobdellida	A	I	1	Thorp Rog 2016		
Tubificinae (without hairs)	A	-IIII	9	Klemm 1985		
Conchapelopia 08270700	L	I	1	CranEpl 2013		
Orthocladius (Orthocladius)	L	I	1	And+3 2013		
Cricotanytarsus	L	I	1	Epl et al 2013		
Cryptochironomus	L	II	2	"		
Microtendipes pedellus group	L	II	2	"		
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		
Rheotanytarsus	L	III	3	Epl et al 2013		