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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)**
UNNAMED	442400	20181001-43-07

Sampling Location	**Database Key**
20 m us CTH J	168363605

SWIMS Station ID	**SWIMS Station Name**
433056	JONES CREEK - CTH J BRIDGE

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

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**	
3	3	1	**Replicate No.** 1 **of** 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)**
10.52	9.67	88.0	8.18	2.00	>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	3

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 70

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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	PH	PH
- Filamentous Algae	PH	PH
- Planktonic Algae	N	N
Iron Bacteria	U	U
Macrophytes	U	U
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	U
- Downstream	N	U
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	U	U
Sedimentation	U	U
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	U	U
Nutrients (P, N...)	PH	PH
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	U	U
Point Source - Specify: Iona WWTF	U	U
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	U	U
- Urban	N	N
Septic Systems	N	U
Tile Drainage - Organic Soils	N	U
- Mineral Soils	N	U
Springs	U	U
Tributary(s)	U	U
Wetland	U	U
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Sam Lamarche	Dimock, Jeffrey	7%
Date Processed	**Specimens Saved**	
1/19/19	Subsample archived in ABL until May 2022	

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Wisconsin Department of Natural Resources
ABL SampleNum: **20181001-43-07**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed (Jones Creek)**
SWIMS Database Key: **168363605**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	-III	8	Klub 2016		
B- flavistriga species complex	L	I	1	"		
Hydropsychidae	L	I	1	Hils 1995	imm	N
Cheumatopsyche	L	88x-III	98	"		
Hydropsyche	L	II	2	"	imm	N
H. betteni	L	8	30	Schm Hils 1986		
Orthoserous	L	0-1	26	Hils Schm 1992	imm	N
O- fastidiosus L, 14 A, 2	L,A	x-I	16	"		
Bezzia/Palpomyia	L	I	7	Hils 1995		
Hemerodromia	L	I	1	Court Mers 2008		
Dicranota	L	x-I	16	Hils 1995		
Thienemanniella	P	I	1	Ferr et al 2008		N
Gammarus pseudolimnaeus	A	I	1	Hels 1972		
Caecidotea intermedia	A	5-	35	Will 1972		
Mermithida	A	I	1	Thorp Rog 2016	imm	
Tubificinae (w/o hairs)	A	I	1	Kleinm 1985		Y
Tubificinae (with hairs)	A	-	5	"		Y
Physa	A	-	5	Thorp Rog 2016		
~~Split As Chironomidae~~	L	II -II)				
Conchapelopia 08270700	L	II	2	Cran Epl 2013		
Corynoneura	L	I	1	And + 3 2013		
Thienemanniella xena	L	I	1	Bolton 2012		
Cricotopus (Cricotopus) tremulus group	L	I	1	And + 3 2013		
Chironominae 08330000	L	I	I	Cranston 2013	imm	N
Microtendipes pedellus group	L	IIII	4	Epl et al 2013		
Polypedilum (Uresipedilum) flavum	L	xIII	13	Bolton 2012		
Rheotanytarsus	L	x I	11	Epl et al 2013		
Stictochironomus	L	I	1	"		