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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)**
NORTH BRANCH LITTLE RIVER	442800	20181003-43-05

Sampling Location	**Database Key**
10 m DS	168363653

SWIMS Station ID	**SWIMS Station Name**
10051378	UNT TO NORTH BRANCH LITTLE RIVER 110M DS STEFFER RD

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**	**Replicate No.** / **of**
3	4	1	1 / 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)**
12.31	10.05	96.7	8.11	632	>122

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] 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	2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40

Sand: 40 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 10

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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	U	U
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	U
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	N
Channelization: - Upstream	U	U
- Downstream	U	U
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	U	U
Sedimentation	N	N
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	PL	PL
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	N
- Cropland	PL	PL
- 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	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
2/27/19	Subsample archived in ABL until May 2022	

B2
178 specs

Wisconsin Department of Natural Resources
ABL SampleNum: **20181003-43-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Branch Little RIver**
SWIMS Database Key: **168363653**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bonneicolor	L	X	10	Klub 2016		
Maccaffertium vicarium	L	I	1	"		
Chevmatopsyche	L	IIII	4	Wils 1995		
Hydropsyche betteni	L	III	3	Schmidts 1986		
Limnephilus	L	I	1	Wils 1995		
Psychomyia flavida	L	I	1	"		
Goera stylata	L	I	1	"		
Optioservus	L	8	40	Wils Schm 1992	imm	N
O. fastiditus L, 21 A, 14	L,A	35	35	"		
Stenelmis crenata	A	I	1	"		
Gammarus pseudolimnaeus	A	80-III	68	Idols 1972		
Caecicotea	A	"	2	Will 1972	Fem	
Mermithidae	A	I	1	Thorp Rg 2016	imm	
Enchytraeidae	A	I	1	"		
Ferrissia rivularis	A	I	1	"		
Laevapex fuscus	A	I	1	"		
Pisidium	A	III	3	Burch 1972		
~~Split A3 Chironomidae~~	L	III JSD				
Thienemanniymia Group	L	I	1	Cran Epl 2013	imm	
Brillia	L	I	1	And+3 2013	imm	
Corynoneura	L	I	1	"		
Cricotopus	L	I	1	"		
Microtendipes pedellus group	L	I	1	Epler 2013		
Rheotanytarsus	L	II	2	"		
Tanytarsus	L	I	1	"		