

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name NORTH BRANCH LITTLE RIVER		Waterbody ID Code 442800	Sample ID (YYYYMMDD-CY-FD) 20181003-43-07
Sampling Location 300 m up Bridge		Database Key 168363637	
SWIMS Station ID 10049742		SWIMS Station Name NORTH BRANCH LITTLE RIVER DS MIDWAY ROAD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name LITTLE RIVER	County OCONTO

Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name LITTLE RIVER TWA ASSESSMENT 2018

Sampling Device

D-Frame Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: _____

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

Total Sampling Time (min) 3	Estimated Area Sampled (m ²) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: **TWA**

Water Temp. (C) 13.98	D.O. (mg/l) 7.38	D.O. (% sat.) 73.3	pH (su) 8.01	Conductivity (umhos/cm) 637	Transparency (cm) >122
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .5	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): **20**
 Sand: **30** Clay: _____ Silt/Muck: **50** Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) **100**
 Canopy Cover at Sample Site (%) **10**

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		U	U	Chlorine		N	U
- Filamentous Algae		PH	U	Dissolved Oxygen		U	U
- Planktonic Algae		U	U	Nutrients (P, N...)		U	U
Iron Bacteria		U	U	Toxics: - Inorganic (Metals)		N	N
Macrophytes		PH	U	- Organic (PCBs, pesticides...)		N	U
Slimes		N	N	Other - Specify:			
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		N	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:		U	
Physical							
Bank Erosion		N	N				
Channelization: - Upstream		N	N				
- Downstream		N	N				
Hydraulic Scour / Channel Incision		N	N				
Impoundment: - Upstream		N	N				
- Downstream		N	N				
Low Flow		N	N				
Sedimentation		PH	U				
Sludge		N	N				
Thermal		N	N				
Turbidity		N	N				
Other - Specify:							

Comments

Special Instructions for Laboratory

2E = 198
~~2B~~
~~3A~~
~~1B~~
Total = 198
4.5 hours

~~1E~~
~~2C~~

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 6.67%
Date Processed 2/27/19	Specimens Saved Subsample archived in ABC until May 2022	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Caenis latipennis</i>	L	-	8	Hlb 2016		
<i>C. punctata</i>	L		1	"		
<i>Stenacron</i>	L		2	"	imm	
Coenagrionidae	L		2	West May 1996	imm	
Hydroptila	L		2	Hils 1985		
Oxyethura	L		1	"		
<i>Triaenodes marginatus</i>	L		2	Oliver 1996		
Phryganeidae	L		1	Hils 1985	imm	
<i>Abraxia</i>	L	x	10	Hilsschm 1992		
<i>Hyalella wellborni</i>	A	BBB	114	Sovocet al 2015		
<i>Limnesia</i>	A		1	Pluch 1984		
<i>Stylaria lacustris</i>	A		4	Klemm 1985		
Turbellaria (with hairs)	A	-	9	"		
Hydrobiidae NOT <i>P. antipodorum</i>	A		4	Burch 1989		
<i>Pisidium</i>	A		4	Burch 1972		
Split to Chironomidae	L					
<i>Clinotanytus</i>	L		2	Cran Epl 2013		
<i>Zarelimyia</i>	L		1	"		
<i>Procladius</i>	L		2	"	dam/imm	N
<i>P. (Holotanytus)</i>	L		2	"		
Chironomidae 08330000	L		1	Cranston 2013	mt indet	N
<i>Cladotanytarsus</i>	L		3	Epl et al 2013		
<i>Cryptochironomus</i>	L		4	"		
<i>Dicratendipes</i>	L	-	8	"		
<i>Microtendipes pedellus</i> group	L	x	14	"		
<i>Paratanytarsus nigrohalterale</i>	L		1	"		
<i>Paratanytarsus</i>	L		1	"	mt indet	
<i>Paratendipes</i>	L		1	"		
<i>Polypedium (Polypedium) illinoense</i> group	L		3	Bolton 2012		
<i>P. (Trinodura) scaldenum</i> group	L		3	"		
<i>Pseudochironomus</i>	L		1	Epl et al 2013		
<i>Stictochironomus</i>	L		1	"		
<i>Tanytarsus</i>	L		2	"		
<i>Tribelos jucundus</i>	L		2	Bolton 2012		