

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name NORTH BRANCH LITTLE RIVER.		Waterbody ID Code 442800	Sample ID (YYYYMMDD-CY-FD) 2080927-43-06
Sampling Location 20 m vs Belgian Rd		Database Key 168363633	
SWIMS Station ID 10020887		SWIMS Station Name NORTH BRANCH LITTLE RIVER AT BELGIUM 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) 4	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 12.8	D.O. (mg/l) 8.88	D.O. (% sat.) 83.9	pH (su) 8.02	Conductivity (umhos/cm) 492.2	Transparency (cm) > 122
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Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)

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) 0.3	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 40

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

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

Embeddedness of Substrate at Sample Site (%) 30 Canopy Cover at Sample Site (%) 70

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter MLG	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7
Date Processed 2/13/19	Specimens Saved Subsample 2 archived in ABL intol May 2022	

A3-152

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoperla Perlodidae	L		5	Hils 1995	imm	
Baetis flavistriga species complex	L		1	Kleb 2016		
Acerpenna	L		1	"	dam	N
A. pygmaea	L		4	"		
Caenis	L		1	"	imm	N
C. latipennis	L		1	"		
Ephemera subvarra	L		1	"		
Leverowia	L	-	9	"		
Maccaffertium vicarium	L		22	"		
Taeniopteryx	L		1	Hils 1995	imm	
Cheumatopsyche	L		4	"		
Hydropsyche betteni	L	-	5	Schm Hils 1986		
Ceratopsyche alhedra	L		1	"		
C. bronfa	L		3	"		
Chimarra	L		1	Hils 1995	imm	N
C. aterrima	L		3	Hils 1982		
Psychomyia flavida	L	"	2	Hils 1995		
Notiphila quadripalata	A		1	Hils Schm 1992		
Optiosevus	L	0-11	27	"	imm	N
O. fastiditus L, 11 A, 5	LA	x-1	16	"		
Stenelmis	L	x-1	16	"		N
S. crenata	A		1	"		
Atherix variegata	L	x-111	13	Hils 1995		
Empididae	L		1	Court Merr 2008	dam	N
Hemerodromia	L	-1	6	"		
Antocha	L		1	Hils 1995		
Dicranota	L		4	"		
Tipula	L		1	"		
Naiadidae	P		1	Ferr et al 2008		
Chammarus pseudolinnaeus	A		1	Hils 1972		
Caecidotea	A	-11	7	Will 1972	imm	
Dugesidae	A		1	Thorp Reg 2016		
Tubificinae (without hairs)	A	-	5	Klemm 1985		
Pisidium	A		4	Burch 1972		
split A3 Chironomidae	L	-	-			
Conchopelepis 08270700	L		1	Cran Epl 2013		

