

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 441500	Sample ID (YYYYMMDD-CY-FD) 20181001-43-01
Sampling Location		Database Key 168363645	
SWIMS Station ID 10051154		SWIMS Station Name UNT TO LITTLE RIVER 10M US WATERCRESS RD	
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) 2	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) 9.53	D.O. (mg/l) 10.45	D.O. (% sat.) 89.0	pH (su) 8.02	Conductivity (umhos/cm) 616	Transparency (cm) 7122
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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) 1.2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): **20** Rubble (tennisball to basketball): **40** Gravel (ladybug to tennisball): _____
 Sand: **20** Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: **20** Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) **40** 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		N	N	Chlorine		N	U
- Filamentous Algae		N	N	Dissolved Oxygen		N	U
- Planktonic Algae		N	N	Nutrients (P, N...)		U	U
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	N
Macrophytes		N	N	- Organic (PCBs, pesticides...)		N	U
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		U	U
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	N
Physical				Runoff: - Barnyard		N	U
Bank Erosion		U	U	- Construction		N	U
Channelization: - Upstream		N	U	- Cropland		N	U
- Downstream		N	N	- Urban		N	N
Hydraulic Scour / Channel Incision		U	U	Septic Systems		N	U
Impoundment: - Upstream		N	N	Tile Drainage - Organic Soils		N	U
- Downstream		N	N	- Mineral Soils		N	U
Low Flow		PL	U	Springs		U	U
Sedimentation		U	U	Tributary(s)		U	U
Sludge		N	N	Wetland		U	U
Thermal		N	N	Other - Specify:			
Turbidity		N	N				
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Canuche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>2/15/19</i>	Specimens Saved <i>Subsample archived in ABL until May 2022</i>	

E1

126 specs

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Perlodidae	L	1	1	Hils 1995	imm	N
Clia perla clia	L	1	1	"		
Taeniopteryx	L	1	1	"	imm	
Baetis flavistriga species group	L	1	1	Kleb 2016		
B. brunneicolor	L	1	1	"		
Maccaffertium	L	1	1	"	imm	N
M. vicarium	L	2	25	"		
Leptophlebiidae	L	11	2	"	dawn	N
Leptophlebia	L	"	2	"		
Cheumatopsyche	L	111	8	Hils 1995		
Hydropsyche betteni	L	x11	12	Schm Hils 1986	imm	N
H. betteni	L	111	12	Schm Hils 1986	imm	N
Nigronia serricornis	L	1	1	Meunzig 1966		
Optiservus	L	x111	18	Hils Schm 1992	imm	N
O. fastiditus L, 7 A, 3	L/A	x	10	"		
Stenelmis crenata	A	1	1	"		
Atherix variegata	L	"	2	Hils 1995		
Nemerodromia	L	1	1	Court Merr 2008		
Simulium jenningsi species group	L	1	1	Adl et al 2004		
Chrysops	L	"	2	Hils 1995		
Antocha	L	1	1	"		
Dicranota	L	111	3	"		
Tipula	L	-	3	"		
Parametriocheilus	P	1	1	Ferret al 2008		
Gammarus pseudolimnoides	A	1	1	Hils 1972		
Split A3 chironomidae	L	111111	111111			
Orthocladiinae 05320000	L	1	1	Cranston 2013	mt indet	N
Brillia	L	1	1	And + 3 2013	mt indet	
Eukiefferiella caripennis group	L	1	1	"		
Tvetenia bavarica group	L	1	1	Bode 1983		
Orthocladus (Orthocladus)	L	111	3	And + 3 2013		
Cladotanytarsus	L	1	1	Epl et al 2013		
Polypedilum (Tripedusa) scalvenum group	L	1	1	Bolton 2012		
P. (Uresipedilum) RJD aviceps	L	1	1	"		
Rheotanytarsus	L	"	2	Epl et al 2013		
Stenochironomus	L	"	2	"		

