

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name UNNAMED		Waterbody ID Code 442400		Sample ID (YYYYMMDD-CY-FD) 20191017-43-04	
Sampling Location CTH A				Database Key 210284797	
SWIMS Station ID 433057		SWIMS Station Name JONES CREEK - CTH A NR LITTLE RIVER			
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, 2019		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle		<input type="checkbox"/> Run		<input type="checkbox"/> Pool	
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland	
Total Sampling Time (min) 3	Estimated Area Sampled (m²) 5		Number of Samples in Composite 1		Replicate No. _____ of _____
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: TWA	
Water Temp. (C) 8.0	D.O. (mg/l) 11.7	D.O. (% sat.) 99.3	pH (su) 7.9	Conductivity (umhos/cm) 435.7	Transparency (cm) 122
Water Color			Estimated Stream Velocity (m/s)		
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained			<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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.15		Average Stream Width of reach (m) 4	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 20	
Sand: 40		Clay: _____		Gravel (ladybug to tennisball): 40	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (____): _____		Overhanging Vegetation: _____		Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 30			Canopy Cover at Sample Site (%) 0		

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

Comments

Special Instructions for Laboratory

2 E = 174

Total = 174

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick Lettray	Estimated Percent of Sample Sorted 7%
Date Processed 1/16/2020	Specimens Saved Subsample archived in ABC until Apr 2023	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	1	1	Klob 2016		
<i>caenis</i>	L	1	1	"	imm	
<i>Maccaffertium</i>	L	11	2	"	imm	N
<i>M. medipunctatum</i>	L	11	2	"		
<i>M. vicarium</i>	L	1	1	"		
<i>Stenonema femuratum</i>	L	1	1	"		
<i>Leptophlebia</i>	L	1	1	"	imm	
<i>Isoperla signata</i>	L	111	3	Hils 1982		
Hydropsychidae	L	1	1	Hils 1995	imm	N
<i>Ceratopsyche</i>	L	1111	2	"	imm	N
<i>C. branta</i>	L	x	10	Schmitts 1986		
<i>Cnemidopsycha</i>	L	8-11	37	Hils 1995		
<i>Hydropsyche betteni</i>	L	x1	11	Schmitts 1986		
<i>Psychomyia flavida</i>	L	11	2	Hils 1995		
<i>Optioservus</i>	L	8111	34	Hils Schmitts 1992	imm	N
<i>O. fastidiosus</i> L, 21 A, 5	LA	0-1	26	"		
<i>Stenelmis</i>	L	1	1	"		
<i>Ectopria leechi/nervosa</i>	L	1	1	"		
<i>Atherix variegata</i>	L	111	3	Hils 1995		
<i>Hemicochroma</i>	L	1	1	Court Mer 2008		
<i>Antocha</i>	L	11	2	Hils 1995		
<i>Dicraneta</i>	L	111	3	"		
<i>Caecidotea intermedia</i>	A	11	2	Will 1972		
Split Az Chironomidae	L	+ JJD				
<i>Thienemannimyia</i> group	L	1	1	Cran Epl 2013	imm	
<i>Orthocladius</i> 08300000 <u>Cran/Ortho, n=2</u>	L	111	3	Cranston 2013	imm	n=2, Y
<i>Parametropneumus</i>	L	111	3	And + S 2013		
<i>Cladotanytarsus</i>	L	11	2	Epl et al 2013		
<i>Micropsectra</i>	L	11	2	"		
<i>Microtendipes pedellus</i> group	L	1111	9	"		
<i>Paratanytarsus</i> species B	L	1	1	Hils unpubl		
<i>Polypedilum (Polypedilum) illinoense</i> group	L	1	1	Bolton 2012		
<i>P. (Ursinipedium) aviceps</i>	L	1	1	"		
<i>P. (U.) flavum</i>	L	111	4	"		
<i>Rheotanytarsus</i>	L	111	3	Epl et al 2013		
<i>Stretchironomus</i>	L	1	1	"		
<i>Tanytarsus</i>	L	1	5	"		