

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 442400	Sample ID (YYYYMMDD-CY-FD) 20181001-43-05
Sampling Location 15 m vs 2:FF			Database Key 168363601
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

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 <sup>2</sup> ) 3	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) 10.43	D.O. (mg/l) 11.41	D.O. (% sat.) 102.5	pH (su) 8.42	Conductivity (umhos/cm) 1.495	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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) 0.15	Average Stream Width of reach (m) 7
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Composition of Substrate Sampled (Percent):

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>2/17/2019</i>	Specimens Saved <i>subsample archived in ABC until May 2022</i>	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Alloca pnia	L	I	1	Hils 1995		
Taeniopteryx	L	I	1	"		
Baetis brunneicolor	L	n	2	Kleb 2016		
Baetidae	L	I	1	"	dam	N
Caenis	L	III	8	"	imm	
Leptophlebiidae	L	III	10	"	imm	N
Hydropsychidae	L	XI	6	Hils 1995	imm	N
Cheumatopsyche	L	OXXII	42	"		
Hydropsyche	L	II	7	"	imm	N
H. betteni	L	XIII	20	Schm Hils 1986		
Ceratopsyche	L	III	8	Hils 1995	imm	N
C. alhedra	L	I	1	Schm Hils 1986		
C. branta	L	O	20	"		
Baetis flavistriga species complex	L	I	1	Kleb 2016		
Leptophlebia	L	I	1	"	imm	
Optosevius	L	δ III	39	Hils Schm 1992		
O. festinatus L, 14 A, 4	LA	XIII	18	"		
Stenelmis	L	III	4	"		
Nemerodromia	L	II	2	Coat Merr 2008		
Antocha	L	II	7	Hils 1995		
Dicranota	L	I	1	"		
Limonia	L	I	1	"		
Orthocladiinae	P	I	1	Ferretal 2008	dam	D N Z Z Z
Eriopterus (Cricoptus)	P	II	2	Coiff et al 1986		
Paratanytarsus	P	I	1	Ferretal 2008		
Lebertia	A	I	1	Pluch 1984		
Sphaerobolus	A	I	1	"		
Dugesidae	A	III	9	Thorp Reg 2016		
Naididae	A	III	4	Brin Geld 1991		
Tubificidae (with hairs)	A	I	1	Klemm 1985		
<del>split 3 Chironomidae</del>	L	II	50			
Chironomidae 00250000	L	I	1	Coat Merr 2008	mt in det	N
Conchapelopia 00270700	L	II	2	Cran Epl 2013		
Thienemannimyia group	L	III	4	"	mt in det imm	N
Orthocladiinae 00300000	L	II	2	Cranston 2013	mt in det	N
Comptosia	L	II	7	And + 3 2013		

