

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LITTLE RIVER		Waterbody ID Code 441300	Sample ID (YYYYMMDD-CY-FD) 20181001-43-02
Sampling Location 10m US Riffle			Database Key 168363625
SWIMS Station ID 433205		SWIMS Station Name LITTLE RIVER AT STH 22	
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>
--------------------------------	---	-------------------------------------	------------------------------------

Reason For Sampling

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

Water Temp. (C) 9.95	D.O. (mg/l) 11.3	D.O. (% sat.) 100.5	pH (su) 8.4	Conductivity (umhos/cm) 635	Transparency (cm) 7122
-------------------------	---------------------	------------------------	----------------	--------------------------------	---------------------------

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)
---	---

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 14
---	--	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 10 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 (%) 30

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	U
- Filamentous Algae	PL	PL	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PL	PL
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	N	N
Macrophytes	U	U	- Organic (PCBs, pesticides...)	N	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	U	U
			Point Source - Specify:	N	U
Physical			Pasturing of Livestock	N	U
Bank Erosion	U	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	N	- Urban	N	U
Impoundment: - Upstream	N	N	Septic Systems	N	U
- Downstream	N	N	Tile Drainage - Organic Soils	N	U
Low Flow	N	N	- Mineral Soils	N	U
Sedimentation	N	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 Logan Cutler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 2/16/2019	Specimens Saved Subsample archived in ABC until May 2022	

Wisconsin Department of Natural Resources

ABL SampleNum: 20181001-43-02

Taxonomist: Dimick, Jeffrey

Waterbody: Little River
SWIMS Database Key: 168363625Page 1 of 2

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina medva</i>	L	11	2	Hils 1995		
<i>Tanipopteryx</i>	L	1	1	"	imm	
<i>Baetis intercalaris</i>	L	11	2	Klub 2016		
<i>B.-flavistriga</i> species complex	L	1111	4	"		
<i>Acerpenna pygmaea</i>	L	x1	11	"		
<i>Acantrella turbida</i>	L	1	1	"		
<i>Placiditus</i>	L	1	1	"	imm	
<i>Caenis anceps</i>	L	111	4	"		
<i>Leverocuta</i>	L	-111	8	"		
<i>Maccaffertium mediopunctatum</i>	L	0111	23	"		
<i>M. vicarium</i>	L	11	2	"		
<i>Leptophlebiidae</i>	L	111	5	"	dem/imm	N
<i>Leptophlebia</i>	L	111	3	"		
<i>Argia maesta</i>	L	1	1	west May 1996		
<i>Caenis</i>	L	1	1	Klub 2016	imm	N
<i>Protophila</i>	L	11	2	Hils 1995		
<i>Hydropsychidae</i>	L	11	2	"	imm	N
<i>Cheumatopsyche</i>	L	01111	24	"		
<i>Hydropsyche</i>	L	11	2	"	imm	N
<i>H. betteni</i>	L	x1	11	Schm Hils 1986		
<i>Ceratopsyche</i>	L	x11	13	Hils 1995	imm	N
<i>C. bronta</i>	L	0x-	55	Schm Hils 1986		
<i>C. mucosa bifida</i> form	L	-11	7	"		
<i>Hydroptila</i>	L	1	1	Hils 1995		
<i>Chimarra obscura</i>	L	-1111	9	Hils 1982		
<i>Psychomyia flavida</i>	L	1	1	Hils 1995		
<i>Optioesurus</i>	L	x11	12	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L, 7 A, 1	LA	-111	8	"		
<i>O. tri vittatus</i>	L	-11	7	"		
<i>Stenelmis</i>	L	11	2	"		
<i>Psephenus herricki</i>	L	-111	8	"		
<i>Atherix variegata</i>	L	1	1	Hils 1995		
<i>Hemerodromia</i>	L	11	2	Court Merr 2008		
<i>Amocha</i>	L	-1	6	Hils 1995		
<i>Dicranota</i>	L	1	1	"		
<i>Cricotopus (Cricotopus)</i>	P	1	1	Ferretal 2008		N
<i>Lebertia</i>	A	1	1	Pluch 1984		

