

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name UNNAMED	Waterbody ID Code 443400	Sample ID (YYYYMMDD-CY-FD) 20181001-43-10

Sampling Location <i>run 30 m R</i>	Database Key 168363661
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SWIMS Station ID 10009353	SWIMS Station Name WHEY CREEK-46M UPSTREAM FROM CHAROLAIS RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) GREEN BAY	Watershed Name LITTLE RIVER	County OCONTO
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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) <i>6</i>	Estimated Area Sampled (m ²) <i>5</i>	Number of Samples in Composite <i>1</i>	Replicate No. <i>1</i> of <i>1</i>
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Reason For Sampling

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

Water Temp. (C) <i>9.86</i>	D.O. (mg/l) <i>9.74</i>	D.O. (% sat.) <i>86.7</i>	pH (su) <i>8.32</i>	Conductivity (umhos/cm) <i>733</i>	Transparency (cm) <i>>122</i>
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Water Color <input type="checkbox"/> Clear <input checked="" 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) <i>3</i>	Average Stream Width of reach (m) <i>0.1</i>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): *10*
 Sand: *50* Clay: _____ Silt/Muck: *20* Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: *20* Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) *80*
 Canopy Cover at Sample Site (%) *20*

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	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	U	U
			Point Source - Specify: <i>Cheese Factory</i>	U	U
			Pasturing of Livestock	N	U
			Runoff: - Barnyard	N	U
			- Construction	N	U
			- Cropland	N	U
			- Urban	N	N
			Septic Systems	N	U
			Tile Drainage - Organic Soils	N	U
			- Mineral Soils	N	U
			Springs	U	U
			Tributary(s)	U	U
			Wetland	U	U
			Other - Specify:		
Physical					
Bank Erosion	U	U			
Channelization: - Upstream	N	N			
- Downstream	N	N			
Hydraulic Scour / Channel Incision	N	N			
Impoundment: - Upstream	N	N			
- Downstream	N	N			
Low Flow	U	U			
Sedimentation	N	U			
Sludge	N	N			
Thermal	N	N			
Turbidity	N	N			
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>20%</i>
Date Processed <i>2/23/19</i>	Specimens Saved <i>Subsample archived in R6ABL until May 2022</i>	
	<i>42 01 81 total</i>	

Wisconsin Department of Natural Resources

ABL SampleNum: 20181001-43-10

Taxonomist: Dimick, Jeffrey

Waterbody: Unnamed (Whey Creek)

SWIMS Database Key: 168363661

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	xiii	13	Kub 2016		
Leptophlebiidae	L	ii	2	"	imm	N
Leptophlebia	L	i	1	"	imm	
Hydropsychidae	L	iii	3	Hils 1985	imm	N
Cheumatopsyche	L	x-vii	20	"		
<i>Hydropsyche betteni</i>	L	iiii	4	Schm Hils 1986		
Limnephilidae	L	iii	3	Hils 1985	imm	
<i>Oligostomis ocelligera</i>	L	i	1	"		
<i>Lype diversa</i>	L	i	1	"		
<i>Nygona serricornis</i>	L	ii	2	Neunzig 1966		
<i>Opioserpus</i>	L	xi	31	Hils Schm 1982	imm	N
<i>O. fastidius</i> L, 1 A, 2	L, A	iii	3	"		
<i>Chrysops</i>	L	i	1	Hils 1985		
<i>Pilaria</i>	L	i	1	"		
<i>Tipula</i>	L	-ii	2	"		
<i>Corynoneura</i>	L	iiii 43	43	Andt 3 2013		N
<i>Corynoneura</i>	P	i	1	Ferret al 2008		
<i>Thienemannella</i>	P	iiii	4	"		
<i>Tvetenia</i>	P	i	1	"		N
<i>Polypedium</i>	P	i	1	"		
<i>Gammarus pseudolimnaeus</i>	A	xii	32	Hils 1972		
<i>Caecidotea intermedia</i>	A	iiii	4	Will 1972		
Dugesidae	A	i	1	Thorp Rog 2016		
<i>Microvelia americana</i>	A	i	1	Hils 1986		
<i>Physa</i>	A	i	1	Thorp Rog 2016		
<i>Pisidium</i>	A	ii	2	Burch 1972		
<i>SpitiA2 Chironomidae</i>	L	ii	2	"		
<i>Conchapelopia 08270700</i>	L	iii	3	Cran Epl 2013		
<i>Meroclopis</i>	L	i	1	"		
<i>Procladius (Holotanyptus)</i>	L	iii	3	"		
<i>Thienemannimyia group</i>	L	i	1	"	imm	N
<i>Tvetenia bavarica group</i>	L	ii	2	Isode 1983		
<i>Chironomus 08330800</i>	L	i	1	Cranston 2013		
<i>cladotanytarsus</i>	L	i	1	Epl et al 2013		
<i>Paratanytarsus</i>	L	i	1	"	imm	N
<i>P. longistilus</i>	L	ii	2	"		

