

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name UNNAMED Trib of Hulburt Cr.		Waterbody ID Code 1298810	Sample ID (YYYYMMDD-CY-FD) 20170920-29-01
Sampling Location			Database Key 150534415
SWIMS Station ID 10048846		SWIMS Station Name UNNAMED TRIB.(WBIC:1298810) OF HULBURT CR. US N. SUNSET DR.	
Latitude 43.644779	Longitude -89.8478432	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name DELL CREEK	County JUNEAU

Sample and Site Descriptors	
Sample Collector (Last Name, First) JEAN UNMUTH	Project Name DELL CREEK BMP EVALUATION TWA 2017

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) 4.0	Estimated Area Sampled (m²) 3.0	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color	Estimated Stream Velocity (m/s)
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<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)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.20	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: 30 Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 10
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: 10 Other (_____): _____
 Embeddedness of Substrate at Sample Site (%): 10 Canopy Cover at Sample Site (%): 50

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Taylor Haze</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>4-18-18</i>	Specimens Saved <i>Subsample archived in ABL until Jul 2021</i>	

E3 85
 B2 109
 194

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	i	1	Hilsenhoff 1985		
<i>Paracapnia angulata</i>	L	ii	2	Hilsenhoff 1974		
<i>Clippelia clio</i>	L	i	1	Hilsenhoff 1985		
<i>Baetis brunneicolor</i>	L	i	1	Kubertanz 2016		
<i>Maccaffertium</i> <i>luteum/vicarium</i>	L	-iii	8	"	imm	
<i>Leptophlebia</i>	L	i	1	"	imm	
<i>Bayera vinosa</i>	L	i	1	Neer et al 2000		
<i>Chamaetypus</i>	L	xii	12	Hilsenhoff 1985		
<i>Prochycentrus occidentalis</i>	L	iii	3	Hilsenhoff 1985		
<i>Hydropsychidae</i>	L	i	1	Hilsenhoff 1985	dam	N
<i>Hydropsyche betteni</i>	L	xiii	18	Schm., Hils. 1986		
<i>Dipterona modesta</i>	L	-ii	7	Hilsenhoff 1985		
<i>Philopotamidae</i>	L	i	1	"	imm	N
<i>Chimarra</i>	L	-	5	"	imm	N
<i>Ch. aderrima</i>	L	-iii	8	Hilsenhoff 1982		
<i>Nicronia semicornis</i>	L	i	1	Nemzig 1966		
<i>Opiasenus fastiditus</i>	L	i	1	Hils., Schm. 1992		
<i>Nemotromia</i>	L	i	1	Coat. Merc. 2008		
<i>Atherix</i>	P	i	1	Mer., Webb 2008		
<i>Simulium</i>	P	i	1	Beier et al 2004		
<i>Tipulidae</i>	L	i	1	Hilsenhoff 1985	dam	N
<i>Dicranota</i>	L	ii	1	"		
<i>Tipula</i>	L	-i	6	"		
<i>Parametriocnemus</i>	P	xr	15	Ferr. et al. 2008		
<i>Tvetenia</i>	P	i	1	"		N
<i>Polypetillum</i>	P	ii	2	"		N
Split A3 Chironomidae	L	ii-iii				
<i>Parametriocnemus</i>	L	xiii	14	Ander. + S 2013		N
<i>Tvetenia bavarica</i> group	L	δ-iii	39	Bok 1983		
<i>Tanyptera</i> 08270000	L	i	1	Cranston 2013	dam	N
<i>Concha pelagia</i>	L	iii	4	Cran, Epler 2013		
<i>Metopelopia</i>	L	i	1	"		
<i>Thienemannimyia</i> group	L	-i	6	"	imm	N
<i>Orthocladius</i> 08300000	L	iii	3	Cranston 2013	mf + not dam	N
<i>Chaetocladius</i>	L	iii	3	Ander. + S 2013		
<i>Diplocladius</i>	L	iii	3	"		
<i>Metriocnemus</i>	L	i	1	"		

