

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name FREEMAN CREEK			Waterbody ID Code 1427700		Sample ID (YYYYMMDD-CY-FD) 20181029-37-04	
Sampling Location US of bridge ~30m					Database Key 171260020	
SWIMS Station ID 373393		SWIMS Station Name FREEMAN CREEK AT BURMA ROAD				
Latitude		Longitude		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) CENTRAL WISCONSIN			Watershed Name LOWER BIG EAU PLEINE RIVER		County MARATHON	
Sample and Site Descriptors						
Sample Collector (Last Name, First) MYCAL RALEIGH				Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2018		
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 type="checkbox"/> Riffle		<input checked="" 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) 1.5		Estimated Area Sampled (m²) 2		Number of Samples in Composite 1		Replicate No. 1 of 1
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: NCSR		
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)		Transparency (cm)
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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) .3		Average Stream Width of reach (m) 4		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): 40
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: 40
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: 20		Other (): _____
Embeddedness of Substrate at Sample Site (%) 0				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				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			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Abby Adams</i>	Taxonomist <i>Smick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>40%</i>
Date Processed <i>9-18-19</i>	Specimens Saved <i>Subsample archived in ABC until Dec 2022</i>	

D3 A1 D1 C1 C3 E3
 34 15 21 26 14 19

Total specs = 129

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-1	6	Hils 1995		
Haplometia orpha	L	1	1	Hatch 1974		
Amphinemura	L	1	1	Hils 1995	imm	
Taeniopteryx	L	1	1	"	imm	N
T. burksi	L	-	5	Foil stew 1980		
Aesopina	L	✓	5	Kub 2016		
A. macdunneghi	L	0-11	38	"		
Ephemera	L	x	10	Hils 1995	imm	Y
E. subvaria	L	"	2	Kub 2016		
Eurylophella	L	1	1	"		
Marcanthidium uscaricum	L	1	1	"		
Leptophlebia	L	-11	8	"	imm	N
L. curvica	L	1	1	"		
Paraleptophlebia	L	-11	7	"	imm	
Leptophlebia	L	1	1	Hils 1995		
Lepidostoma	L	1	1	"		
Limnephilidae	L	1	1	"		
Pycnosyche	L	11	2	"		
Lyne diversa	L	1	1	"		
Ontoservus fastiditus	A	1	1	Hils Schum 1992		
Atherix variegata	L	1	1	Hils 1995		
Prosimulium	L	111	4	Adl et al 2004		
Pseudolimnephila	L	11	2	Hils 1995		
Tipula	L	"	1	"		
Caecidota racovitzai racovitzai	A	-11	8	Will 1972		
Naid + Naidinae	A	11	3	Bornfeld 1991		
Tubificonae (with hairs)	A	11	3	Klemm 1985		
Physo	A	-11	8	Thorp/Reg 2016		
Larva	L	1	1	Cranell 2013		
Thienemannimyia group	L	11	2	"	imm	
Zaunelomyia	L	1	1	"		
Chaetocladius	L	1	1	And + 3 2013		
Orthocladiinae	L	1	1	Cranston 2013	imm	N
Diplocladius	L	1	1	And + 3 2013		
Parametrioicremus	L	1	1	"		
Paraphaenocladius	L	1	1	"		
Pseudorthocladius	L	✓	5	"		

