

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

Station Summary			
<b>Waterbody Name</b> WEST FORK LITTLE RIB RIVER		<b>Waterbody ID Code</b> 1452900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181029-37-05
<b>Sampling Location</b> US bridge 28m		<b>Database Key</b> 171260028	
<b>SWIMS Station ID</b> 10050658	<b>SWIMS Station Name</b> WEST FORK LITTLE RIB RIVER AT STH 107		
<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> CENTRAL WISCONSIN		<b>Watershed Name</b> LITTLE RIB RIVER	<b>County</b> MARATHON

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> MYCAL RALEIGH	<b>Project Name</b> WEST DISTRICT NC STREAM STRATIFIED SITES 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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 2	<b>Average Stream Width of reach (m)</b> 4
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 10  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%): 0 Canopy Cover at Sample Site (%): 0

**Stream and Watershed Descriptors**

N = Not a problem      PL = Present, Low Impact  
 U = Uncertain            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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				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 Logan Cutler	Taxonomist Derrick Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 9/18/19	Specimens Saved 41 + 31 + 64 = 136	

A1 E3 A3 Total  
 subsample archived in ABC until Dec 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L II		2	Hils 1995		
Paracapnia angulata	L 0		20	Hitch 1974		
Perlodidae	L I		1	Hils 1995	imm	N
Isoperla signata	L III		3	Hils 1992		
Baetis flavistriga species complex	L I		1	Rub 2016		
Caenis	L I		1	"	imm	N
C. latipennis	L I		5	"		
Ephemera subvaria	L -III		8	"		
Stenacron	L I		5	"	imm	
Maccaffertium vicarium	L -II		7	"		
Leptophlebia	L III		4	"	imm	
Paraleptophlebia	L Ori		26	"	dam/imm	N
P. mollis	L I		1	"		
Gomphidae	L I		1	Need et al 2000	imm	
Microsema rusticum	L II		2	Hils 1985		
Lepidostoma	L I		1	Hils 1995		
Psychomyia flavida	L I		1	"		
Nygonia semirufus	L I		1	Nemzig 1966		
Pycnopsyche	L L		1	Hils 1995		
Dubiraphia	L III		3	Hilsehm 1992		
Optiosecurus	L x		10	"	imm	N
O-pastiditus	LA III	L3 A,1	4	"		
Stenelmis	L I		1	"		N
S. crenata	A I		5	"		
Proboezzia	L I		1	Hils 1995		
Ephychridae	P I		1	Meir Webb 2008		
Antocha	L III		4	Hils 1995		
Pseudolimnophila	L I		1	"		
Caerodotea	A I		1	Thorp Rag 2016	imm	
Mesurthidae	A I		1	"	imm	
Tubificonae (with hairs)	A III		4	Klemm 1985		
Megadrili = Metagynophora	A I		1	Thorp Rag 2016		
Physa	A I		1	"		
Sphaerium	A I		1	Mackie 2007		
Spit A2 Chironomidae	L III					
Tanypterinae 08270000	L I		1	Cranston 2013	dam	N
Thienemannimyia group	L II		2	Cran Epl 2013	imm	

