

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name UNNAMED			Waterbody ID Code 1453200		Sample ID (YYYYMMDD-CY-FD) 20190924-37-01	
Sampling Location US culvert ~10m					Database Key 207086202	
SWIMS Station ID 10029421		SWIMS Station Name UNNAMED TRIB TO LITTLE RIB RIVER AT NORTH LANE RD				
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) CENTRAL WISCONSIN		Watershed Name LITTLE RIB RIVER			County MARATHON	
Sample and Site Descriptors						
Sample Collector (Last Name, First) MYCAL RALEIGH				Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM		
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 checked="" type="checkbox"/> Riffle		<input 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 min	Estimated Area Sampled (m ²) 2 m ²	Number of Samples in Composite 1			Replicate No. <u>1</u> of <u>1</u>	
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 checked="" type="checkbox"/> Trend		<input type="checkbox"/> Other: _____		
Water Temp. (C) 13.9	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)	
Water Color <input checked="" type="checkbox"/> Clear <input 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)			
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.1		Average Stream Width of reach (m) 1.5		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>60</u>		Gravel (ladybug to tennisball): <u>30</u>
Sand: <u>10</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>5</u>				Canopy Cover at Sample Site (%) <u>10</u>		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Naos, Eric	Taxonomist Dimrock, Jeffrey	Estimated Percent of Sample Sorted 13.3%
Date Processed 16-21-2020	Specimens Saved Subsample archived in ABL until Dec 2023	

B203 B202 B201 B204 B206 B221 B204 B203
 14 15 17 23 15 13 21 21 = 139

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	i	1	Kub 2016		
<i>B. flavistriga</i> species complex	L	iii	4	"		
<i>Ephemera invaria</i>	L	i	1	"		
<i>E. subvaria</i>	L	x1	11	"		
<i>Mesochoreus vicarium</i>	L	/	5	"		
<i>Leptophlebia</i>	L	ii	2	Merrillum B 2019	imm	
<i>Allocaeneta</i>	L	i	1	"		
<i>Cliopepla clio</i>	L	i	1	"		
<i>Glossosoma intermedium</i>	L	/	5	Wym Mar 2000		
<i>Ceratopsyche glossosomae</i>	L	iii	4	Schm Hills 1986		
<i>Cheumatopsyche</i>	L	oii	22	Merrillum B 2019		
<i>Hydropsyche</i>	L	iii	3	Hils 1995	imm	N
<i>H. betteri</i>	L	i	1	Schm Hills 1986		
<i>Lepidostoma</i>	L	?	1	Merrillum B 2019		
<i>Ceraclea</i>	L	i	1	"	imm	
<i>Orsiniaphia minima</i>	A	i	1	Hils Schm 1992		
<i>Optioservus</i>	L	x1	15	Merrillum B 2019	imm	
<i>Bezza/Palpomysia</i>	L	ii	2	Hils 1995		
<i>Tuetenia</i>	P	ii	3	Merrillum B 2019		N
<i>Simulium teterosum</i> species complex	L	ii	2	Adl et al 2004		
<i>Antocha</i>	L	iii	4	Merrillum B 2019		
<i>Dicranota</i>	L	or	25	"		
<i>Tipula</i>	L	i	1	"		
<i>Smerinthidae</i>	A	i	1	Peck et al 1990		
<i>Nardinae</i>	A	iii	4	Kath Barn 1998		
<i>Tubificinae (with hairs)</i>	A	i	1	"		Y
<i>Tubificinae (without hairs)</i>	A	iiii	4	"		Y
<i>Erpobdellidae</i>	A	i	1	Thorp et al 2016	imm	
<i>Idelobdella echoensis</i>	A	ii	2	Saglam et al 2018		
<i>Split A2 Chironomidae</i>	L	or iii				
<i>Corynoneura</i>	L	ii	3	And et al 2013		
<i>Parametriocnemus</i>	L	x	5	"		
<i>Tuetenia bavaria</i> group	L	i	1	Bode 1983		
<i>Xylotopus</i> par	L	i	1	And et al 2013		
<i>Thienemannimyia</i> group	L	i	1	"	imm	
<i>Orthocladius</i> OB300000	L	i	1	"	imm	N
<i>Diplocladius</i>	L	i	1	"		

