

## Wadeable Macroinvertebrate Field Data Report

Instructions: Bold fields must be completed.

<b>Station Summary</b>	
Waterbody Name <b>WEST FORK KNAPP CREEK</b>	Waterbody ID Code 1207900
Sample ID (YYYYMMDD-CY-FD) 20171017-12-01	
Sampling Location	
Database Key 150534823	

SWIMS Station ID 10013844	SWIMS Station Name W. FORK KNAPP CREEK STATION 3-1969-SE 1/4 SE 1/4 SEC. 12-STARTS AT SPRING 1		
Latitude 43.26571	Longitude -90.66659	Lat/Long Determination Method (circle) SWIMS    SWDV    GPS	
Datum Used if using GPS WGS84 or NAD83			
Basin (WMU) LOWER WISCONSIN	Watershed Name KNAPP CREEK	County CRAWFORD	

<b>Sample and Site Descriptors</b>	
Sample Collector (Last Name, First) JEAN UNMUTH	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2017

**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) <u>5.0</u>	Estimated Area Sampled (m <sup>2</sup> ) <u>4.0</u>	Number of Samples in Composite <u>0</u>	Replicate No. <u>1</u> of <u>1</u>
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**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: <u>NC Stratified</u>

Water Temp. (C) <u>10.0</u>	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.6</u>	Average Stream Width of reach (m) <u>2.5</u>
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**Composition of Substrate Sampled (Percent):**

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): <u>20</u>
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: <u>20</u>
Aquatic Macrophytes: <u>40</u>	Leaf Snags: <u>10</u>	Coarse Woody Debris: <u>10</u>	Other (____): _____
Embeddedness of Substrate at Sample Site (%): <u>50</u>	Canopy Cover at Sample Site (%): <u>0</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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton				Chlorine		N	
- Filamentous Algae		N		Dissolved Oxygen		N	
- Planktonic Algae				Nutrients (P, N...)		PL	
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes		N		- Organic (PCBs, pesticides...)			
Slimes		N		Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PH	PH
				Point Source - Specify:		N	
				Pasturing of Livestock		PH	
				Runoff: - Barnyard		PL	
				- Construction			
				- Cropland		PH	
				- Urban			
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			
<b>Physical</b>							
Bank Erosion		PH					
Channelization: - Upstream		PH	PH				
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream		N					
- Downstream		N					
Low Flow		N					
Sedimentation		PL					
Sludge							
Thermal		N					
Turbidity		PL					
Other - Specify:							

Comments

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Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Kayla Wilcox	Taxonomist
Date Processed	7/31/18	Dimick, Jeffrey
		Estimated Percent of Sample Sorted
		33%
		Specimens Saved
		Subsample archived in BSL until Nov 2021

3g A1=8 C2=19  
 2021 No --

Wisconsin Department of Natural Resources

ABL Sample Num: 20171017-12-01

Taxonomist: Dimick, Jeffrey

Waterbody: West Fork Knapp Creek

SWIMS Database Key: 150534823

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Isoperla slossomae</i>	L	ii	2	Hils 1982		
<i>Baetis arcuicollis</i>	L	xiii	13	Klub 2016		
<i>B. tricandatus</i>	L	i	1	"		
<i>Ephemerella excavata</i>	L	i	1	"		
<i>Brachycentrus occidentalis</i>	L	iiii	24	Hils 1985		
<i>Pteronarcyche slossomae</i>	L	ii	2	Schm Hils 1986		
<i>Hyalophylax argus</i>	L	i	1	Hils 1995		
<i>Platycentronus amicus</i>	L	i	1	Wigg 1986		
<i>Pycnonarcyche</i>	L	-ii	7	Hils 1995		
<i>Neolasta</i>	L	iii	3	Court Merr 2008		
<i>Simulium</i>	P	i	1	Adl et al 2004		
<i>Gammarus pseudolimnoides</i>	A	iiii	23	Hils 1972		
<i>Cocidotea muovitzi muovitzi</i>	A	iii	3	Will 1972		
<i>Lumbriculidae</i>	A	i	1	Thorp Reg 2016		
<i>Pisidium</i>	A	i	1	Burch 1972		
<del>split A3 Chironomidae</del>	L	xiii				
<del>Thaumatococcus</del>	L	i	1	Cranston 2013		
<i>Thaumatococcus Thaumanniomyia group</i>	L	iii	3	Cranston 2013	imm	N
<i>Orthocladius</i>	L	-	5	Anders 2013	imm	
<i>Baillia</i>	L	ii	2	"	imm	
<i>Eukiefferella</i>	L	ii	2	"		
<i>Parmetriocnemus</i>	L	ii	2	"		
<i>Tvetenia bavarica group</i>	L	ii	2	Bode 1983		
<i>Cricotopus/orthocladius</i>	L	iiii	4	Ferr et al 2008	imm	
<i>Chironominae 08330000</i>	L	-	5	Cranston 2013		
<i>Microsectra</i>	L	i	1	Eal et al 2013		
<i>Phaenosectra obediens group</i>	L	i	1	Epler 2001		
<i>Polypedium (Polypedium) illinoense group</i>	L	i	1	Bolton 2012		
<i>A. (Uresipedium) aviceps</i>	L	ii	27	"		
<i>Rheotanytarsus</i>	L	ii	2	Epl et al 2013		