

Wadeable Macroinvertebrate Field Data Report

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name SILVER CREEK		Waterbody ID Code 847600	Sample ID (YYYYMMDD-CY-FD) 20171020-14-01
Sampling Location <i>5 m upstream of CTH E NC-344</i>		Database Key 150694013	
SWIMS Station ID 10048860		SWIMS Station Name SILVER CREEK AT CTH E	
Latitude <i>43.27617</i>	Longitude <i>88.6750</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER ROCK		Watershed Name SINISSIPPI LAKE	County DODGE

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 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) <i>1</i>	Estimated Area Sampled (m ²) <i>1</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <i>12.5</i>	D.O. (mg/l) <i>8.42</i>	D.O. (% sat.) <i>78.8</i>	pH (su) <i>7.81</i>	Conductivity (umhos/cm) <i>456</i>	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input 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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): *50*
 Rubble (tennisball to basketball): _____
 Gravel (ladybug to tennisball): *40*

Sand: *10*
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____

Aquatic Macrophytes: _____
 Leaf Snags: _____
 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
 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			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Keyla W. Ica</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>130%</i>
Date Processed <i>8/1/18</i>	Specimens Saved <i>Subsample archived in ABZ until Nov 2021</i>	

32-54

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Chironomus tentans</i>	L	III	4	Hils 1945		
<i>Hydropsyche betteni</i>	L	III	6	Scam Hils 1986		
<i>Ceratopsyche strossmayeri</i>	L	XIII	13	"		
<i>Dubimiphysa</i>	L	I	1	Hils Schm 1992		
<i>Ditropis</i>	L	II	2	"	imm	N
<i>O. fastidius</i> L, S A, I	L, A	-I	6	"		
<i>Stenelmis crenata</i>	A	I	1	"		
<i>Hemodromia</i>	L	I	1	Colet Mar 2008		
Chironomus <i>Tabanidae</i>	L	I	1	Hils 1945	dam	
<i>Coelocentrus</i>	A	I	1	Will 1972	imm	
<i>Naidinae</i>	A	I	1	Braunfeld 1961		
<i>Tubificinae</i> (without hairs)	A	-II	7	Kleum 1965		
<i>Physa</i>	A	I	1	Thompson 2016		
Salit A3 Chironomidae	L	XIII				
<i>Thienemannimyza</i> group	L	I	1	Gran Epl 2013	imm	
<i>Brillia</i>	L	I	1	Ander + 3 2013	imm	
<i>Hydrobaenus</i>	L	I	1	"		
<i>Parakiefferella</i>	L	III	3	"		
<i>Parametriocnemus</i>	L	-I	6	"		
<i>Paramecnocladus</i>	L	II	2	"		
<i>Cricotopus/Orthocladus</i>	L	III	3	Ferr et al 2008	imm	Y
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>fremulos</i> group	L	III	4	Ander + 3 2013		
<i>Chironominae</i> 05330000	L	I	1	Cranston 2013	mt indet	Y
<i>Cryptochironomus</i>	L	I	1	Epl et al 2013		
<i>Micropectra</i>	L	III	3	"		
<i>Microtendipes pedellus</i> group	L	I	1	"		
<i>Paratanytarsus</i> sp. A	L	L	1	Hils unpubl		
<i>P. longistilus</i>	L	II	2	Epl et al 2013		
<i>Paratendipes</i>	L	L	1	"		
<i>Polyredilum</i> (<i>Uresipredilum</i>) <i>aviceps</i>	L	-III	8	Bolton 2012		
<i>P. (Polyredilum) illinoense</i> group	L	III	4	"		
<i>Rhyacotanytarsus</i>	L	-III	9	Epl et al 2013		