

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

Station Summary			
Waterbody Name SIXMILE CREEK		Waterbody ID Code 805500	Sample ID (YYYYMMDD-CY-FD) 20171121-13-03
Sampling Location <i>1 m downstream of Mill Rd</i>			Database Key 151313854
SWIMS Station ID 10010966		SWIMS Station Name SIXMILE CREEK - US OF MILL RD	
Latitude <i>43.17473</i>	Longitude <i>89.43294</i>	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER ROCK		Watershed Name SIX MILE AND PHEASANT BRANCH CREEKS	County DANE

Sample and Site Descriptors	
Sample Collector (Last Name, First) MICHAEL SORGE	Project Name NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORING

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>2</i>	Estimated Area Sampled (m <sup>2</sup> ) <i>2</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>3.5</i>	D.O. (mg/l) <i>13.11</i>	D.O. (% sat.) <i>98.4</i>	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input checked="" 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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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): *20* Rubble (tennisball to basketball): *40* Gravel (ladybug to tennisball): *30*  
 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 (%) *50*

**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			
- 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 <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>7/7/18</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2021</i>	

*A3=69  
 A2=89*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Stenacron</i>	L	iiii	9	Klub 2016	imm	N
<i>S. interpunctatum</i>	L	iiii	8	"		
<i>Cnemidopyche</i>	L	iiii	26	Hils 1995		
<i>Hydropsyche betteni</i>	L	x-	15	Schm Hils 1986		
<i>Ceratopsyche sparna</i>	L	i	1	"		
<i>Chimarra obscura</i>	L	-	5	Hils 1982		
<i>Optioservus</i>	L	i	1	Hils Schm 1992	imm	N
<i>O. fastiditus</i>	L	xiiii	14	"		
<i>Stenelmis</i>	L	xiiii	13	"		N
<i>S. crenata</i>	A	ii	2	"		
<i>Neoplasta</i>	L	i	1	Gent Merr 2008		
<i>Simulium tuberosum</i> species complex	L	ii	2	Adl et al 2004		
<i>S. vittatum</i> species complex 08110217	L	iii	3	"		
<i>Antocha</i>	L	i	1	Hils 1995		
<i>Gammarus pseudolimnoides</i>	A	-	5	Hils 1972		
Dugesidae	A	i	1	Thorp Res 2016		
Tubificinae (without hairs)	A	i	1	Klemm 1985		
<del>Split A3 Chironomidae</del>	L	-	210			
<del><i>Nitidulidius</i></del>	L	i	1	Cranfil 2013		
<i>Orthocladiinae</i> 08300000	L	iiii	1-3-210	Cranston 2013	imm	N
<i>Eukiefferiella devonica</i> group	L	i	1	Ander+3 2013		
<i>Para kiefferiella</i>	L	i	1	"		
<i>Parametripemus</i>	L	i	1	"		
<i>Ivetenia discoloripes</i> group	L	iiii	4	Bode 1983		
<i>Orthocladius</i>	L	ii	2	Ander+3 2013	imm	N
<i>O. (Orthocladius)</i>	L	ii	2	"		
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	i	1	"		
<i>Microtendipes pedellus</i> group	L	-i	6	Epl et al 2013		
<i>Paratanytarsus</i> sp. A	L	i	1	Hils unpub		
<i>Polypedilum</i>	L	i	1	Epl et al 2013	imm	N
<i>P. (Polypedilum) illinoense</i> group	L	i	1	Bolton 2012		
<i>P. (Unresipidilum) flavum</i>	L	x-i	16	"		
<i>Rheotanytarsus</i>	L	xiii	13	Epl et al 2013		

<3 taxa, TVAL ≤ 2.0