

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name UNNAMED			Waterbody ID Code 1244700		Sample ID (YYYYMMDD-CY-FD) 20180924-25-02	
Sampling Location DS Rosy Ln.					Database Key 168762344	
SWIMS Station ID 253181		SWIMS Station Name UNNAMED TRIB. WBIC: 1244700 DS ROSY LN.				
Latitude 43.0204995	Longitude -90.0179042	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) LOWER WISCONSIN			Watershed Name MILL AND BLUE MOUNDS CREEK		County IOWA	
Sample and Site Descriptors						
Sample Collector (Last Name, First) JEAN UNMUTH				Project Name MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI		
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) 4.0	Estimated Area Sampled (m ²) 2.0	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 checked="" type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____		
Water Temp. (C) 15.6	D.O. (mg/l) 9.4	D.O. (% sat.) 99	pH (su) 7.8	Conductivity (umhos/cm) 533	Transparency (cm) 120	
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained				<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 0.05 m/s		Average Stream Depth of reach (m) 0.20		Average Stream Width of reach (m) 1.5		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 50		Gravel (ladybug to tennisball): 20
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: 20		Coarse Woody Debris: 10		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 10				Canopy Cover at Sample Site (%) 80		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Logan Cutler	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 4/13/2019	Specimens Saved 52 + 37 + 61 = 150	

E2 E1 D1 Total

subsample archived in BBL until Jun 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneator</i>	L	14	3	Klub 2016		
<i>B. tricaudatus</i>	L	1	1	"		
<i>B. flavistriga</i> species complex	L	1	1	"		
<i>Stenacron</i>	L	1	1	"	imm	
<i>Brachycentrus occidentalis</i>	L	imm	4	Hils 1985		
<i>Helicopsyche borealis</i>	L	11	3	Hils 1985		
<i>Cheumatopsyche</i>	L	x11	13	"		
<i>Hydropsyche beltzeni</i>	L	8-	35	Schm Hils 1986		
<i>Ceratopsyche slossrae</i>	L	11	7	"		
<i>C. sparna</i>	L	11	2	"		
<i>Chimarra obscura</i>	L	011	24	Hils 1982		
<i>Macronychus glabratus</i>	L	1	1	Hils Schm 1992		
<i>Ontoserenus</i>	L	1	1	"	imm	N
<i>O. fastiditus</i> L, 12 A, 1	LA	x11	13	"		
<i>Stenelmis</i>	L	11	7	"		N
<i>S. crenata</i>	A	11	3	"		
<i>S. grossa</i>	A	1	1	"		
<i>Bezzia / Palpomyia</i>	L	1	1	Hils 1985		
<i>Roederiodes</i>	L	1	1	Cart Merr 2008		
<i>Simulium</i>	P	x	10	Adl et al 2004		
<i>Tinella</i>	L	x11	12	Hils 1985		
<i>Thienemanniella</i>	P	1	1	Ferr et al 2008		
<i>Tretenia</i>	P	1	1	"		N
<i>Polypedium</i>	P	1	1	"		N
<i>Caecidotea</i>	A	1	1	Will 1972	imm	
<i>Oligesiidae</i>	A	x-	15	Thorp Reg 2016		
<i>Pisidium</i>	A	1	1	Burch 1972		
<i>Thienemanniella</i> group	L	1	1	Cran Epl 2013	imm	
<i>Diamesa</i>	L	1	1	Smith And 2013		
<i>Parametridenemus</i>	L	1	1	And + 3 2013		
<i>Tretenia bavarica</i> group	L	x	10	Bode 1983		
<i>Polypedium (Uresipedium) flavum</i>	L	11	3	Bolton 2012		
<i>Rhotanytarsus</i>	L	11	3	Epl et al 2013		