

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name ROWAN CREEK		Waterbody ID Code 1263700	Sample ID (YYYYMMDD-CY-FD) 20160930-11-03
Sampling Location 80 m upstream of STA 51			Database Key 135494987
SWIMS Station ID 10016029		SWIMS Station Name ROWAN CREEK - 20 M US HWY 51	
Latitude 43.38671	Longitude 89.39430	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name LAKE WISCONSIN	County COLUMBIA

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

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) 1	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 12.2	D.O. (mg/l) 9.6	D.O. (%sat.) 89.3	pH (su) 7.95	Conductivity (umhos/cm) 560	Transparency (cm) 100
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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 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): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 30 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			
Physical				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>Justin Kowalski</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>9/26/17</i>	Specimens Saved <i>Subsample archived in AAL until Dec 2020</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	Kluber et al 2016	dam	N
Baetis brunneicolor	L	x-1	16	"		
1/3 B. tricaudatus	L	III	3	"		
Cheumatopsyche	L	IIIII	24	Hilsenhoff 1995		
Ceratopsyche glossaria	L	x-III	38	Schm. Hils. 1986		
2/4 Lepidostoma	L	I	1	Hilsenhoff 1995		
Optioservus	L	-III	8	Hils., Schm. 1992	imm	N
O. fastidius L, 7 A, 1	LA	-III	8	"		
Hemeroptera	L	I	1	Court, Meir. 2008		
Simulium tuberosum species group	L	-I	6	Arler et al 2004		
S. venustum species complex	L	I	1	"		
S. vittatum species complex 08110217	L	-	5	"		
Simulium	P	III	3	"		N
Dicranota	L	III	3	Hilsenhoff 1995		
Gammarus pseudolimnoides	A	80-11	77	Holsinger 1972		
Neumania	A	I	1	Pluchino 1984		
Physa	A	III	4	Brown 1991		
Physella	A	8xIII	53	"		
Potamopygus antipodorum + 6 empty	A	III	3	USGS Fieldbook		
Pisidium	A	I	1	Burch 1972		
Salticid Chironomidae	L	III 2JD				
3/5 Paratanytarsus	AP	I	1	Ferr et al 2008		N
Pagastia	L	I	1	Seeth, Ander. 2013		
Orthocladiinae 08300000	L	II	2	Cranston 2013	imm	N
Eukiefferella devonica group	L	IIII	4	Ander. + 3 2013		
4/9 Parachaetocladius	L	IIII	4	"		
Taenia bavaria group	L	III	3	Bock 1983		
Chironomidae	L	III	3	Cranston 2013	dam/imm	N
Paratanytarsus longistilus	L	x-11	17	Epler et al 2013		
Rheotanytarsus	L	II	2	"		

> 3 taxa, TVAL ≤ 2.0
 q = (0.1 x 2.0)