

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

Station Summary			
Waterbody Name ROWAN CREEK		Waterbody ID Code 1263700	Sample ID (YYYYMMDD-CY-FD) 20171016-11-01
Sampling Location <i>60 m upstream of STH 51 at old Cattle Crossing</i>		Database Key 150694267	
SWIMS Station ID 10016029		SWIMS Station Name ROWAN CREEK - 20 M US HWY 51	
Latitude	Longitude	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

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)	Estimated Area Sampled (m ²)	Number of Samples in Composite	Replicate No. _____ of _____
---------------------------	--	--------------------------------	------------------------------

Reason For Sampling

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

Water Temp. (C) <i>11.2</i>	D.O. (mg/l) <i>10.71</i>	D.O. (% sat.) <i>98.2</i>	pH (su) <i>8.16</i>	Conductivity (umhos/cm) <i>550</i>	Transparency (cm) <i>>120</i>
--------------------------------	-----------------------------	------------------------------	------------------------	---------------------------------------	-------------------------------------

Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)
 Slow (< 0.15 m/s) Moderate (0.15 m/s - 0.5 m/s) Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
---	-----------------------------------	-----------------------------------

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *20* Gravel (ladybug to tennisball): *50*
 Sand: *30* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) *20* Canopy Cover at Sample Site (%) *0*

* Pull snails from unsorted if found.

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>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13</i>
Date Processed <i>10/10/18</i>	Specimens Saved <i>subsample archived in ABC until Jan 2022</i>	

*3B 3E
 113 + 99 = 221 specs*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolar	L	-iii	8	Hols 2016		
B. tricaudatus	L	-i	6	"		
Cheumatopsyche	L	DU1	23	Hols 1995		
Ceratopsyche strosserae	L	DU1	25	Schm Hols 1986		
Helichus striatus	A	I	1	Hols Schm 1992		
Optiosenus	L	-iiii	9	"	imm	N
O. fastiditus	L	0.1	22	"		
Nemerodromia	L	I	1	Coast Meir 2008		
Simulium vittatum species complex 08110217	L	II	2	Adl et al 2004		
Antocha	L	I	1	Hols 1995		
Dicranota	L	II	3	"		
Hexatoma	L	I	1	"		
Diamesa	P	xiii	13	Fer et al 2008		
Gammarus pseudolimnacus	A	0x-1	76	Hols 1972		
Lebertea	A	II	3	Ploch 1984		
Limnesia	A	II	2	"		
Mermithidae	A	I	1	Thorp Reg 2016	imm	
Cricotopus (Cricotopus)	P	I	1	Fer et al 1986	dam	N
Dugesiiidae	A	-ii	7	Thorp Reg 2016		
Naidinae	A	I	1	Bain Geld 1991		Y
Ophidocaris serpentina	A	I	1	Klemm 1985		
Physa	A	xi	33	Thorp Reg 2016		
Potamopyrgus antipodarum	A	III	4	"		
Chironomidae 08250000	L	I	1	Coast Meir 2008	dam	N
Diamesa	L	xii	12	Siehn Ander 2013		N
Eukiefferiella devonica group	L	II	2	Ander + 3 2013		
Panochrocladius	L	-iii	8	"		
Orthocladus (Orthocladus)	L	II	2	"		
Cricotopus/Orthocladus	L	III	3	Fer et al 2008	mt. indet dam	N
Cricotopus (Cricotopus) trifascia group	L	I	2	Ander + 3 2013		
Microtendipes pedellus group	L	III	3	Epl et al 2013		

23 taxa, TVAL = 2.0