

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

**Station Summary**

<b>Waterbody Name</b> WILLIAMS-BARNEVELD CREEK		<b>Waterbody ID Code</b> 915100	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20201028-25-01
<b>Sampling Location</b> ~50m upstream of confluence with E. Branch Pecatonica			<b>Database Key</b> 252512597
<b>SWIMS Station ID</b> 10021403		<b>SWIMS Station Name</b> WILLIAMS-BARNEVELD - CONFLUENCE OF E. BR. PECATONICA	
<b>Latitude</b> 42.95639	<b>Longitude</b> -89.89651	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
<b>Basin (WMU)</b> SUGAR - PECATONICA		<b>Watershed Name</b> UPPER EAST BRANCH PECATONICA RIVER	<b>County</b> IOWA

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> CAMILLE BRUHN	<b>Project Name</b> 2020 -RIDGEWAY BRANCH- EAST BRANCH PECATONICA RIVER
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**Sampling Device**

D-Frame Kick Net       Surber Sampler       Eckman  
 Ponar       Artificial Substrate       Hess Sampler       Other: \_\_\_\_\_

*HUC ID TWA PLACEHOLDER*

**Habitat Sampled**

Riffle       Run       Pool  
 Other       Shoreline Composite       Proportionally-Sampled Habitat  
 Littoral Zone       Profundal Zone       Wetland

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

Least Impacted Reference       Baseline       Impact / Treatment Site  
 Control Site       Trend       Other: *Ridgeway Branch - E Branch Pecatonica River TWA*

<b>Water Temp. (C)</b> 3.5	<b>D.O. (mg/l)</b> 11.2	<b>D.O. (% sat.)</b> 87.0	<b>pH (su)</b> 7.69	<b>Conductivity (umhos/cm)</b> 629.1	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.2	<b>Average Stream Width of reach (m)</b> 3.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 90  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 50      **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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
<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 Dunn, Isabel	Taxonomist Demick, Jeffrey	Estimated Percent of Sample Sorted 11.7%
Date Processed 7/16/2021	Specimens Saved Subsample archived in ABL until Sept 2021	

9:50-  
12:10

D4 B2  
 4 ] 34  
 3 ] 35  
 1 - 18  
 2 - 19  
 3 - 18  
 1 (H1) - 10

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	I	1	Klub 2016		
<i>B. tricaudatus</i>	L	I	1	"		
<i>B. flavistriga</i> species complex	L	II	2	"		
<i>Ephemerella</i>	L	I	1	MCB 2019	imm	
<i>Taeniopteryx</i>	L	III	3	"	imm	
<i>Braconycentrus occidentalis</i>	L	III	3	Hils 1985		
<i>Hydropsychidae</i>	L	I	1	MCB 2019	imm	N
<i>Ceratopsyche</i>	L	I	1	Hils 1985	imm	N
<i>C. bronck</i>	L	III	3	Schmittils 1986		
<i>C. glossonae</i>	L	II	2	"		
<i>C. sparna</i>	L	I	1	"		
<i>Chumatopsyche</i>	L	III	8	MCB 2019		
<i>Hydropsyche betteri</i>	L	III	4	Schmittils 1986		
<i>Hydropsyche</i>	L	I	1	Hils 1985	imm	N
<i>Optoseruus</i>	L	0-11	27	MCB 2019	imm	N
<i>O. fastiditus</i> L, 9 A, 2	A	XI	11	Hils Schmitt 1992		
<i>Hemerodromia</i>	L	I	1	MCB 2019		
<i>Simulium vittatum</i> species complex 08110257	L	II	2	Adl et al 2004		
<i>Gammarus pseudolimnaeus</i>	A	-II	7	Hils 1972		
<i>Caecicoeca intermedia</i>	A	0-11	24	Will 1972		
<i>Dicranota</i>	L	I	1	MCB 2019		
<i>Mermithidae</i>	A	III	3	Thorp Prog 2016		
<i>Dugesidae</i>	A	-I	6	"		
<i>Endytraeidae</i>	A	I	1	"		
<i>Naidinae</i>	A	II	2	Kath Brn 1988		
<i>Tubificonae</i> (without hairs)	A	XIII	13	"		
<i>Megadrili</i>	A	II	2	Thorp Prog 2016		
<del><i>Spilota Chironomidae</i></del>	<del>L</del>	<del>XI</del>	<del>11</del>			
<i>Brillia flavifrons</i>	L	I	1	Epler 2001		
<i>Thienemannella</i>	L	I	1	Adl et al 2013		
<i>Microtendipes pedellus</i> group	L	IV	2	"		
<i>Phreatantarsus</i>	L	-	5	"		
<i>Ordoeladiinae</i>	L	I	1	"	imm	N
<i>Cricotopus</i> ( <i>Cricotopus</i> ) <i>fremulus</i> group	L	I	1	"		
<i>Eukiefferella claripennis</i> group	L	I	1	"		
<i>E. devonica</i> group	L	I	1	"		
<i>Brillia</i>	L	I	1	"	imm	N

> 3 taxa, TVAL ≤ 2.0  
 B < (0.1 x 123)

