

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST BRANCH PECATONICA RIVER		Waterbody ID Code 897800	Sample ID (YYYYMMDD-CY-FD) 20201028-25-04
Sampling Location 7 m upstream Star Valley Rd bridge			Database Key 252512589
SWIMS Station ID 253128	SWIMS Station Name PECATONICA RIVER EAST BRANCH AT STAR VALLEY RD		
Latitude 42.88631	Longitude -89.90712	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name UPPER EAST BRANCH PECATONICA RIVER	County IOWA

Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name 2020 -RIDGEWAY BRANCH- EAST BRANCH PECATONICA RIV
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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) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 4.6	D.O. (mg/l) 12.7	D.O. (% sat.) 101	pH (su) 8.63	Conductivity (umhos/cm) 584.7	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 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) 0.4	Average Stream Width of reach (m) 7
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 60 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			
				Runoff: - Barnyard			
				- Construction			
				- Cropland			
				- Urban			
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			
Physical							
Bank Erosion							
Channelization: - Upstream							
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Dunn, Isabel</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>43.8%</i>
Date Processed <i>7/20/2021</i>	Specimens Saved <i>Subsample archived in ABE until Sept 2024</i>	

2:30-
7:30

D2
C4 } 20
B3 C1 } 44
D4 C3 } 35
D1 } 28
 (127)

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Hyalagenia elegantula</i>	L	1	1	Klubs 2016		
<i>Maccaffertium</i>	L	-1	6	"	dem/imm	n=1, Y
<i>M. mediopunctatum</i>	L	1	1	"		
<i>M. terminatum</i>	L	-1111	9	"		
<i>Skraccon</i>	L	x-1111	19	MCB 2019	imm	N
<i>S. interpunctatum</i>	L	1	1	Klubs 2016		
<i>Leptophlebia</i>	L	1	1	MCB 2019	imm	
<i>Taeniopteryx</i>	L	x-1111	14	"	imm	
<i>Ceratopsyche</i>	L	11	2	Hils 1995	dem/imm	N n=1, Y
<i>C. sparna</i>	L	-	5	Schmidt Hils 1986		
<i>Chimatapsyche</i>	L	111	4	MCB 2019		
<i>Ceratopsyche branta</i>	L	1	1	Schmidt Hils 1986		
<i>Optioservus</i>	L	11	2	MCB 2019	imm	
<i>Neoplasta</i>	L	1	1	"		
<i>Hypatoma</i>	L	1	1	"		
<i>Tipula</i>	L	1	1	"		
<i>Gammarus pseudolimnacus</i>	A	x-11	17	Hils 1972		
<i>Caecidotea</i>	A	1	1	Thompson 2016	fem	
<i>Laevapex fuscus</i>	A	11	2	"		
<i>Naidinae</i>	A	11	2	Kath Brin 1998		Y
<i>Onhidonais serpentina</i>	A	1	1	"		
<i>Tubificerae (without hairs)</i>	A	x-0-	35	"		
<i>Lebertia</i>	A	1	1	Reck et al 1990		
Split A2 Chironomidae	L	x-111				
<i>Parametriocnemus</i>	L	111	3	And et al 2013		
<i>Microtendipes pediculus group</i>	L	111	3	"		
<i>Rhyacotanytarsus</i>	L	0-	25	"		
<i>Orthocladiinae</i>	L	1	1	"	not ident	N
<i>Orthocladus (Orthocladus)</i>	L	11	2	"		
<i>Parakiefferiella</i>	L	1	1	"		
<i>Micropsectra</i>	L	1	1	"		
<i>Paratanytarsus species A</i>	L	1	1	Hils unpubl		
<i>Paratendipes</i>	L	1	1	And et al 2013		
<i>Phaenopsectra abedrensis group</i>	L	1	1	Epler 2001	imm	
<i>Polypedilum (waspectum Tripedana)</i>						
<i>scalenum group</i>	L	1	1	Bolton 2012		