

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST BRANCH PECATONICA RIVER		Waterbody ID Code 897800	Sample ID (YYYYMMDD-CY-FD) 20201028-25-02
Sampling Location 1 m downstream of CTH K			Database Key 252512581
SWIMS Station ID 10031446		SWIMS Station Name EAST BRANCH PECATONICA RIVER AT CTH K AND CTH H	
Latitude 42.94387	Longitude -89.91557	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> 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) 3.9	D.O. (mg/l) 12.5	D.O. (% sat.) 99	pH (su) 8.18	Conductivity (umhos/cm) 658.3	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" 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) 0.3	Average Stream Width of reach (m) 6.0
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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			
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>Dunn, Isabel</i>	Taxonomist <i>Nimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>2.30%</i>
Date Processed <i>7/16/2021</i>	Specimens Saved <i>Subsample archived in ABL cubs 1 Sept 2024</i>	

*1.45
4.20*

*C2
2-87
4
1
3*
*B4
1 (H1)-56
3
4
2*

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Hydropsychidae	L	I	1	MCB 2019	imm	N
Ceratopsyche branta	L	I	1	Schm Hils 1986		
C. glossonae	L	I	1	"		
Cheumatopsyche	L	XI	11	MCB 2019		
Ceratopsyche sparna	L	I	1	Schm Hils 1986		
Optio servus	L	II	2	MCB 2019	imm	
Hemerodromia	L	I	1	"		
Neoplasia	L	II	2	"		
Simulium vittatum species complex 08110217	L	I	1	Adl et al 2004		
Anisocha	L	I	1	MCB 2019		
Gammarus pseudolimnaeus	A	II	2	Hols 1972		
Hypobates	A	I	1	Peck et al 1980		
Naicmae	A	IX-III	43	Kath Bein 1998		
Split A2 Chironomidae	L	8-III-ND				
Cricotopus (Cricotopus) trifascia group	L	I	1	And et al 2013		
Parametriocnemus	L	-III	12	"		
Tretania bavarica group	L	-III	8	Bode 1983		
Cryptochironomus	L	II	2	And et al 2013		
Microtendipes pedellus group	L	-III	8	"		
Rheotanytarsus	L	8-III	53	"		
Orthocladinae	L	X	10	"	imm	N
Brillia	L	I	1	"	imm	
Eukiefferiella devonica group	L	III	4	"		
Orthocladus (Orthocladus)	L	-I	6	"		
Parakiefferiella	L	I	1	"		
Chironominae	L	-II	7	"	imm	N
Cladotanytarsus	L	III	3	"		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
Polypedilum (Wesipedilum) ariceps	L	-II	7	"		
P.(U.) flavum	L	III	3	"		
Rheotanytarsus	L	I	1	And et al 2013		
Tanytarsus	L	I	1	"		

< 3 taxa, TUAL ≤ 2.0