

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST FORK RACCOON CREEK	Waterbody ID Code 874100	Sample ID (YYYYMMDD-CY-FD) 20171113-54-03
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Sampling Location <i>10 m downstream of Beloit-Newark Rd</i>	Database Key 151303106
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SWIMS Station ID 10009956	SWIMS Station Name EAST FORK RACCOON CREEK AT BELOIT NEWARK RD
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Latitude <i>42.54075</i>	Longitude <i>89.13271</i>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
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Basin (W/MU) SUGAR - PECATONICA	Watershed Name LOWER SUGAR RIVER	County ROCK
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Sample and Site Descriptors

Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) <i>1</i>	Estimated Area Sampled (m²) <i>1</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <i>4.5</i>	D.O. (mg/l) <i>12.9</i>	D.O. (% sat.) <i>99.5</i>	pH (su) <i>8.21</i>	Conductivity (umhos/cm) <i>604</i>	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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *60* Gravel (ladybug to tennisball): *30*

Sand: *10* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) *0* Canopy Cover at Sample Site (%) *100*

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			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
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>70%</i>
Date Processed <i>10/21/18</i>	Specimens Saved <i>Subsample archived in ABC until Jan 2022</i>	

210
331

