

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SINSINAWA RIVER		Waterbody ID Code 940200	Sample ID (YYYYMMDD-CY-FD) 20161018-22-06
Sampling Location 45 m upstream of Sinsinawa Rd			Database Key 135171025
SWIMS Station ID 223232	SWIMS Station Name SINSINAWA RIVER - SINSINAWA RD. (BI)		
Latitude 42.50853	Longitude 90.48034	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GRANT - PLATTE		Watershed Name GALENA RIVER	County GRANT

Sample and Site Descriptors

Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SINSINAWA RIVER TWA [HUC12] 2016
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Sampling Device

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 (m²) /	Number of Samples in Composite /	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 18.0	D.O. (mg/l) 10.1	D.O. (% sat.) 107.7	pH (su) 8.23	Conductivity (umhos/cm) 755	Transparency (cm) 75
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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): 30 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (Filamentous algae): 10
 Embeddedness of Substrate at Sample Site (%) 0 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:			
Physical				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 Cadie Olson	Taxonomist K Kamke	Estimated Percent of Sample Sorted 13%
Date Processed 2/2/17	Specimens Saved	

C2: 67 = 150

D2: 83