

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name SINSINAWA RIVER	Waterbody ID Code 940200	Sample ID (YYYYMMDD-CY-FD) 20161018-22-02

Sampling Location <i>30 m upstream of Center Rd</i>	Database Key 135141467
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SWIMS Station ID 223252	SWIMS Station Name GALENA RIVER (SINSINAWA RIVER) - CENTER RD
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Latitude <i>42.55576</i>	Longitude <i>90.48511</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) GRANT - PLATTE	Watershed Name GALENA RIVER	County GRANT
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Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SINSINAWA RIVER TWA [HUC12] 2016

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) <i>1</i>	Estimated Area Sampled (m ²) <i>1</i>	Number of Samples in Composite <i>1</i>	Replicate No. <i>1</i> of <i>1</i>
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Reason For Sampling

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

Water Temp. (C) <i>15.5</i>	D.O. (mg/l) <i>9.93</i>	D.O. (% sat.) <i>100.1</i>	pH (su) <i>8.3</i>	Conductivity (umhos/cm) <i>756</i>	Transparency (cm) <i>82</i>
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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): *20* Rubble (tennisball to basketball): *30* Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: *30* Leaf Snags: _____ Coarse Woody Debris: _____ Other (*Filamentous algae*): *20*
 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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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	
	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>Kayla Wilcox</i>	Taxonomist <i>K Kamke</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>1/31/17</i>	Specimens Saved	

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