

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name <u>Unnamed Trib. of Mill cr.</u>		Waterbody ID Code <u>1244300</u>		Sample ID (YYYYMMDD-CY-FD) <u>20181024-25-01</u>	
Sampling Location <u>US CTH-H</u>				Database Key <u>169627495</u>	
SWIMS Station ID <u>10051111</u>		SWIMS Station Name <u>UNNAMED TRIB. WBIC: 1244300 OF MILL CREEK US CTH H</u>			
Latitude <u>43.0514417</u>	Longitude <u>-90.0040335</u>	Lat/Long Determination Method (circle) <u>SWIMS SWDV GPS</u>		Datum Used if using GPS <u>WGS84 or NAD83</u>	
Basin (WMU) <u>LOWER WISCONSIN</u>		Watershed Name <u>MILL AND BLUE MOUNDS CREEK</u>		County <u>IOWA</u>	
Sample and Site Descriptors					
Sample Collector (Last Name, First) <u>JEAN UNMUTH</u>			Project Name <u>MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI</u>		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____					
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland					
Total Sampling Time (min) <u>4.0</u>	Estimated Area Sampled (m ²) <u>2.0</u>	Number of Samples in Composite <u>1</u>		Replicate No. <u>1</u> of <u>1</u>	
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____					
Water Temp. (C) <u>7.8</u>	D.O. (mg/l) <u>12.2</u>	D.O. (% sat.) <u>105</u>	pH (su) <u>7.6</u>	Conductivity (umhos/cm)	Transparency (cm) <u>120</u>
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) <u>0.15</u>	Average Stream Width of reach (m) <u>1.2</u>		
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>60</u>	Gravel (ladybug to tennisball): <u>30</u>	
Sand: <u>10</u>		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) <u>10</u>			Canopy Cover at Sample Site (%) <u>0</u>		

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		N	
- Filamentous Algae		PL		Dissolved Oxygen		N	
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes		N		- Organic (PCBs, pesticides...)			
Slimes		N		Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PH	
				Point Source - Specify:			
				Pasturing of Livestock		PH	
Channelization: - Upstream		PH		Runoff: - Barnyard		N	
- Downstream		PH		- Construction		N	
Hydraulic Scour / Channel Incision				- Cropland		PH	
Impoundment: - Upstream				- Urban		N	
- Downstream				Septic Systems			
Low Flow		N		Tile Drainage - Organic Soils			
Sedimentation		PH		- Mineral Soils			
Sludge		N		Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Sofanna Erickson	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4/12/2019	Specimens Saved Subsample archived in ABL until Jun 2022	

C1
98

D1

E2
157

Total: 255

