

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name <u>Meudt Creek</u>			Waterbody ID Code <u>1244600</u>		Sample ID (YYYYMMDD-CY-FD) <u>20180924-25-04</u>	
Sampling Location <u>US of Sawle Rd. WhiteHills</u>					Database Key <u>168762789</u>	
SWIMS Station ID <u>10051107</u>		SWIMS Station Name <u>MEUDT CREEK US SAWLE RD.</u>				
Latitude <u>43.0431551</u>	Longitude <u>-90.0270847</u>	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS			Datum Used if using GPS <u>WGS84</u> or NAD83	
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 type="checkbox"/> Riffle		<input checked="" 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 checked="" 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>12.4</u>	D.O. (mg/l) <u>9.4</u>	D.O. (% sat.) <u>91.0</u>	pH (su) <u>8.1</u>	Conductivity (umhos/cm)		Transparency (cm) <u>23.0</u>
Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained				Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity <u>0.05</u> circle units <u>m/s</u> or f/s		Average Stream Depth of reach (m) <u>0.20</u>		Average Stream Width of reach (m) <u>0.80</u>		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): <u>10</u>	Rubble (tennisball to basketball): <u>10</u>		Gravel (ladybug to tennisball): <u>10</u>	
Sand: _____		Clay: _____	Silt/Muck: <u>10</u>		Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: <u>20</u>	Coarse Woody Debris: <u>40</u>		Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) <u>80</u>			Canopy Cover at Sample Site (%) <u>20</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...)		PH	PH
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)			
Macrophytes		N	N	- Organic (PCBs, pesticides...)			
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		N	
				Point Source - Specify:			
Physical				Pasturing of Livestock		PH	PH
Bank Erosion		N	N	Runoff: - Barnyard		N	.
Channelization: - Upstream				- Construction		N	N
- Downstream				- Cropland		N	N
Hydraulic Scour / Channel Incision				- Urban		N	N
Impoundment: - Upstream		PL		Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow		N		- Mineral Soils			
Sedimentation		PH	PH	Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments Channelized runoff coming from two large acreage pastures on hilltop. Overgrazed + bare soils on hilltop causes siltation to stream during rain events.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kiersten Czarnecki	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 20
Date Processed 4/16/2019	Specimens Saved Subsample archived in ABL until Jan 2022	

C1=64 AL=48
 B2=51