

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name <u>Hubbard Creek</u>		Waterbody ID Code <u>1244200</u>		Sample ID (YYYYMMDD-CY-FD) <u>20181024-25-02</u>	
Sampling Location <u>US CTH-H</u>				Database Key <u>169627491</u>	
SWIMS Station ID <u>10051112</u>		SWIMS Station Name <u>HUBBARD CREEK US CTH H</u>			
Latitude <u>43.0674077</u>	Longitude <u>-89.9861303</u>	Lat/Long Determination Method (circle) <u>SWIMS</u> <input type="checkbox"/> SWDV <input type="checkbox"/> GPS		Datum Used if using GPS <u>WGS84</u> or <u>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 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 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>12.5</u>	D.O. (mg/l) <u>10.1</u>	D.O. (% sat.) <u>104</u>	pH (su) <u>7.8</u>	Conductivity (umhos/cm) <u>—</u>	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 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>0.038</u> circle units <u>m/s</u> or f/s		Average Stream Depth of reach (m) <u>0.50</u>		Average Stream Width of reach (m) <u>2.1</u>	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____	
Sand: _____		Clay: _____		Silt/Muck: _____	
Aquatic Macrophytes: _____		Leaf Snags: <u>10</u>		Coarse Woody Debris: <u>90</u>	
Other (_____): _____		Overhanging Vegetation: _____		Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) _____			Canopy Cover at Sample Site (%) <u>100</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	N		Dissolved Oxygen	N	
- Planktonic Algae			Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	
			Point Source - Specify:	N	
			Pasturing of Livestock	N	
			Runoff: - Barnyard	N	
			- Construction	N	
			- Cropland	PH	
			- Urban	N	
			Septic Systems		
			Tile Drainage - Organic Soils		
			- Mineral Soils		
			Springs		
			Tributary(s)		
			Wetland		
			Other - Specify:		
Physical					
Bank Erosion	N				
Channelization: - Upstream					
- Downstream					
Hydraulic Scour / Channel Incision					
Impoundment: - Upstream					
- Downstream					
Low Flow	N				
Sedimentation	PH				
Sludge	N				
Thermal	N				
Turbidity	N				
Other - Specify:					

Comments *Two Beaver dams just downstream of site. Water elevation unusually high.*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Jovanna Erickson</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>ND 40% 40</i>
Date Processed <i>4-17-19</i>	Specimens Saved <i>Subsample archived in ABC until Jun 2022</i>	

C2 A1 B3 E1 A2 C3 D2 C1 D1
28 18 24 17 18 33 Total: 138