

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Hubbard Creek		Waterbody ID Code 1244200	Sample ID (YYYYMMDD-CY-FD) 20181024-25-02
Sampling Location US CTH-H			Database Key 169627491
SWIMS Station ID 10051112	SWIMS Station Name HUBBARD CREEK US CTH H		
Latitude 43.0674077	Longitude -89.9861303	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name MILL AND BLUE MOUNDS CREEK	County IOWA

Sample and Site Descriptors

Sample Collector (Last Name, First) JEAN UNMUTH	Project Name MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI
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Sampling Device

D-Frame 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) 4.0	Estimated Area Sampled (m²) 2.0	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 12.5	D.O. (mg/l) 10.1	D.O. (% sat.) 104	pH (su) 7.8	Conductivity (umhos/cm) —	Transparency (cm) 120
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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 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)
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Measured Velocity 0.038	circle units m/s or f/s	Average Stream Depth of reach (m) 0.50	Average Stream Width of reach (m) 2.1
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: 90 Other (): _____

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** 100

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>40% 40</i>
Date Processed <i>4-17-19</i>	Specimens Saved <i>Subsample archived in ABC until Jun 2022</i>	

B2 A1 B3 E1 A2 C3 D2 C1 D1
28 18 24 17 18 33 Total: 138

