

Instructions: **Bold** fields must be completed.

Station Summary		
Waterbody Name MILL CREEK	Waterbody ID Code 1242200	Sample ID (YYYYMMDD-CY-FD) 20180924-25-01
Sampling Location US CTH Y		Database Key 169211126

SWIMS Station ID 10016649	SWIMS Station Name MILL CREEK US CTH-Y		
Latitude 43.0155615	Longitude -90.0348819	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) LOWER WISCONSIN			Datum Used if using GPS WGS84 or NAD83
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

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) 5.0	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) 17.5	D.O. (mg/l) 10.8	D.O. (% sat.) 117	pH (su) 8.2	Conductivity (umhos/cm) 476	Transparency (cm) 46.0
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Water Color <input type="checkbox"/> Clear <input checked="" 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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 4.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **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		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...)		PL	PH
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes		PL		- Organic (PCBs, pesticides...)			
Slimes		N		Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PH	PH
				Point Source - Specify:			
				Pasturing of Livestock		PL	PH
				Runoff: - Barnyard			
				- Construction		N	N
				- Cropland		PH	PH
				- Urban		N	N
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Sam Camarcho	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 4/12/19	Specimens Saved Subsample archived in DRL until Jun 2022	

C2 D3 C3 A3
 14 62 32 26

134 total