

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <u>Unnamed Trib. of Mill Creek</u>		Waterbody ID Code <u>5035533</u>	Sample ID (YYYYMMDD-CY-FD) <u>20180911-25-01</u>
Sampling Location <u>US CTH H</u>		Database Key <u>168762161</u>	
SWIMS Station ID <u>10051093</u>		SWIMS Station Name <u>UNNAMED TRIB. WBIC: 503553 OF MILL CREEK US CTH H</u>	
Latitude <u>43.08593</u>	Longitude <u>-89.97047</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. WATERSHEDS</u>

Sampling Device

D-Frame Kick Net Surber Sampler Eckman
 Ponar Artificial Substrate Hess Sampler Other: _____

TWA 208

Habitat Sampled

Riffle Run Pool
 Other Shoreline Composite Proportionally-Sampled Habitat
 Littoral Zone Profundal Zone 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>
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Reason For Sampling

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

Water Temp. (C) <u>22.9</u>	D.O. (mg/l) <u>7.5</u>	D.O. (% sat.) <u>90</u>	pH (su) <u>8.4</u>	Conductivity (umhos/cm)	Transparency (cm) <u>55.0</u>
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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 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 <u>0.004</u> circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.10</u>	Average Stream Width of reach (m) <u>0.4</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 10

Sand: _____ Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 40 Coarse Woody Debris: 30 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 90 Canopy Cover at Sample Site (%) 80

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 13%
Date Processed <i>4/12/19</i>	Specimens Saved <i>Subsample archived in ABC under</i>	<i>Jun 2022</i>

E1 BZ
 G1 9Z

153 total

