

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <b>MORREY CREEK</b>		Waterbody ID Code 1220000	Sample ID (YYYYMMDD-CY-FD) 20191009-25-01
Sampling Location <i>25 m downstream of STH 133</i>			Database Key 212667679
SWIMS Station ID 253192		SWIMS Station Name MORREY CREEK - HWY 133	
Latitude <i>43.18327</i>	Longitude <i>-90.34193</i>	Lat/Long Determination Method (circle) SWIMS SWDV <b>GPS</b>	Datum Used if using GPS <b>WGS84</b> or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name OTTER AND MORREY CREEKS	County IOWA

Sample and Site Descriptors	
Sample Collector (Last Name, First) KIMBERLY KUBER	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019

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) <i>1</i>	Estimated Area Sampled (m <sup>2</sup> ) <i>1</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <i>11.6</i>	D.O. (mg/l) <i>11.04</i>	D.O. (% sat.) <i>100.5</i>	pH (su) <i>8.19</i>	Conductivity (umhos/cm) <i>491</i>	Transparency (cm)
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Water Color

Clear     
  Turbid     
  Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)     
  Moderate (0.15 m/s - 0.5 m/s)     
  Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): *40* Rubble (tennisball to basketball): *30* Gravel (ladybug to tennisball): *20*  
 Sand: *10* Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) *50* 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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments *NC - 292*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>COASH, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>37.5</i>
Date Processed <i>10/7/20</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2023</i>	

*C1 - 31      B2 - 24      B3 - 21*  
*D2 - 24      A1 - 20      E3 - 28*

*148*

