

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

Station Summary			
Waterbody Name <u>Mud Creek at Sunny Slope Rd</u>		Waterbody ID Code <u>75000</u>	Sample ID (YYYYMMDD-CY-FD) 201810093631
Sampling Location		Database Key 168907628	
SWIMS Station ID 10051649		SWIMS Station Name MUD CREEK AT SUNNY SLOPE ROAD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County <u>Manitowoc</u>

Sample and Site Descriptors	
Sample Collector (Last Name, First) HOLLY STEGEMANN	Project Name NE LAKESHORE TMDL SUPPLEMENTAL MONITORING

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) <u>4</u>	Estimated Area Sampled (m <sup>2</sup> ) <u>7</u>	Number of Samples in Composite <u>1</u>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <u>15.8</u>	D.O. (mg/l) <u>6.0</u>	D.O. (% sat.) <u>60.7</u>	pH (su) <u>7.3</u>	Conductivity (umhos/cm) <u>443</u>	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) <u>1.5</u>	Average Stream Width of reach (m) <u>10</u>
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 70 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 (%) 10 Canopy Cover at Sample Site (%) 20

**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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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:	
<b>Physical</b>				Pasturing of Livestock	
	Bank Erosion			Runoff: - Barnyard	
	Channelization: - Upstream			- Construction	
	- Downstream			- Cropland	
	Hydraulic Scour / Channel Incision			- Urban	
	Impoundment: - Upstream			Septic Systems	
	- Downstream			Tile Drainage - Organic Soils	
	Low Flow			- Mineral Soils	
	Sedimentation			Springs	
	Sludge			Tributary(s)	
	Thermal			Wetland	
	Turbidity			Other - Specify:	
	Other - Specify:				

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 13%
Date Processed 6/13/19	Specimens Saved 88 + 65 = 153	

*C3 E1 Total  
 Subsample archived in ABL until Aug 2022*

