

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name <u>Bear Creek</u>			Waterbody ID Code <u>1398700</u>		Sample ID (YYYYMMDD-CY-FD) <u>20201008-50-01</u>	
Sampling Location <u>~35m W of 3rd Avenue bridge</u>					Database Key 250467512	
SWIMS Station ID 10053976		SWIMS Station Name BEAR CREEK AT SOUTH 3RD AVENUE				
Latitude <u>44.517812</u>	Longitude <u>-89.787896</u>	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) CENTRAL WISCONSIN			Watershed Name MILL CREEK		County PORTAGE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) TAYLOR HASZ				Project Name MILL CREEK TWA 2020 (319 PROJECT-FUNDED)		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input checked="" type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) <u>15</u>	Estimated Area Sampled (m ²) <u>4</u>	Number of Samples in Composite <u>1</u>			Replicate No. <u>1</u> of <u>1</u>	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: <u>TWA</u>						
Water Temp. (C) <u>8.49</u>	D.O. (mg/l) <u>5.14</u>	D.O. (% sat.) <u>43.9</u>	pH (su) <u>7.19</u>	Conductivity (umhos/cm) <u>164</u>	Transparency (cm)	
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained				<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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) <u>.5</u>		Average Stream Width of reach (m) <u>1</u>		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): _____
Sand: _____		Clay: _____		Silt/Muck: <u>50</u>		Overhanging Vegetation: <u>20</u>
Aquatic Macrophytes: <u>20</u>		Leaf Snags: <u>10</u>		Coarse Woody Debris: _____		Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>0</u>				Canopy Cover at Sample Site (%) <u>0</u>		

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

Comments *Sampled upstream 3rd Avenue about 35m. Sampling extremely difficult to little to no suitable habitat. Could only sample overhanging vegetation due to silt/muck substrate. Low flow also provided little habitat.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Raatz, Trevor</i>	Taxonomist <i>Dimick, Jeffery</i>	Estimated Percent of Sample Sorted <i>23%</i>
Date Processed <i>5/3/2021</i>	Specimens Saved <i>Subsample archived in ABL 28 until July 2023</i>	

*C2Q4:13 E2Q1:8:38 B3Q1:11:121
 E2Q4:5:18 Res+of E2+C2:40:78 B3Q4:7:128
 C2Q3:12:30 A1:32:110*

