

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

**Station Summary**

<b>Waterbody Name</b> FENWOOD CREEK	<b>Waterbody ID Code</b> 1428700	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20161003-37-07
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<b>Sampling Location</b> @ rapid 40m US bridge	<b>Database Key</b> 133660468
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<b>SWIMS Station ID</b> 373366	<b>SWIMS Station Name</b> FENWOOD CREEK AT HWY 153
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<b>Latitude</b> 44.8069351	<b>Longitude</b> -89.97409	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> CENTRAL WISCONSIN	<b>Watershed Name</b> LOWER BIG EAU PLEINE RIVER	<b>County</b> MARATHON
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Raleigh, Myral	<b>Project Name</b> FENWOOD CREEK MACROINVERTEBRATES
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**Sampling Device**

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

<b>Total Sampling Time (min)</b> 5 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 5 m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> <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: \_\_\_\_\_

<b>Water Temp. (°F)</b> 58°F	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> .4	<b>Average Stream Width of reach (m)</b> 15m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_   
 Boulders (basketball or larger): 90%   
 Rubble (tennisball to basketball): 10%   
 Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_   
 Clay: \_\_\_\_\_   
 Silt/Muck: \_\_\_\_\_   
 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_   
 Leaf Snags: \_\_\_\_\_   
 Coarse Woody Debris: \_\_\_\_\_   
 Other (\_\_\_\_): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** \_\_\_\_\_ **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	Local	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N		Chlorine		
- Filamentous Algae	N		Dissolved Oxygen		
- Planktonic Algae	N		Nutrients (P, N...)		
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	
			Point Source - Specify:	N	
<b>Physical</b>			Pasturing of Livestock	N	
Bank Erosion	N		Runoff: - Barnyard	N	
Channelization: - Upstream	N		- Construction	N	
- Downstream	N		- Cropland	N	
Hydraulic Scour / Channel Incision	N		- Urban	N	
Impoundment: - Upstream	N		Septic Systems	N	
- Downstream	U		Tile Drainage - Organic Soils	N	
Low Flow	N		- Mineral Soils	N	
Sedimentation	N		Springs		
Sludge	N		Tributary(s)		
Thermal	N		Wetland		
Turbidity	N		Other - Specify:		
Other - Specify:					

Comments This Fenwood site comes DS from confluence w/ Rocky Run and is much larger of a stream here. Site is basically within 100yd boulder garden that would be a large rapid @ high flows. Just DS @ bridge is large bridge pool so quite the contrast.

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Mekayla Gronholm	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 1/19/17	Specimens Saved Subsample archived in ABL archives until Apr 2020	

B2: 45  
 E1: 33 84  
 C0: 52-60

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