

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> WATERCRESS CREEK	<b>Waterbody ID Code</b> 39000	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20211027-60-01
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<b>Sampling Location</b> SOS	<b>Database Key</b> 288762637
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<b>SWIMS Station ID</b> 10008873	<b>SWIMS Station Name</b> WATERCRESS CREEK - UPSTREAM OF WATERCRESS ROAD
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<b>Latitude</b> 43.7172	<b>Longitude</b> -88.1309	<b>Lat/Long Determination Method (circle)</b> SWIMS <u>SWDV</u> GPS	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
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<b>Basin (WMU)</b> MILWAUKEE RIVER	<b>Watershed Name</b> EAST AND WEST BRANCHES MILWAUKEE R	<b>County</b> SHEBOYGAN
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Helle-Craig	<b>Project Name</b> SER LONG-TERM TREND WADEABLE REFERENCE STREAM
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**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

<b>Total Sampling Time (min)</b> 6	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 6m <sup>2</sup>	<b>Number of Samples in Composite</b>	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 6.72	<b>D.O. (mg/l)</b> 11.13	<b>D.O. (% sat.)</b> 92	<b>pH (su)</b> 7.86	<b>Conductivity (umhos/cm)</b> 686.3 +ds 439.5	<b>Transparency (cm)</b> +120
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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 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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<b>Measured Velocity</b> 0.49	circle units m/s or <u>f/s</u>	<b>Average Stream Depth of reach (m)</b> .3	<b>Average Stream Width of reach (m)</b> 2.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 30     
 Rubble (tennisball to basketball): 30     
 Gravel (ladybug to tennisball): 30  
 Sand: 10     
 Clay: \_\_\_\_\_     
 Silt/Muck: \_\_\_\_\_     
 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_     
 Leaf Snags: \_\_\_\_\_     
 Coarse Woody Debris: \_\_\_\_\_     
 Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40     
**Canopy Cover at Sample Site (%)** 60

**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			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		
<b>Physical</b>			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments  
*Sample poorly preserved JSP*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <b>NORDSTREAM ABIGAIL</b>	Taxonomist <i>Jimick, Jeffrey</i>	Estimated Percent of Sample Sorted <b>R1: 125% R2: 12.5%</b>
Date Processed <b>R1: 11/4/22 R2: 11/10/2022</b>	Specimens Saved <b>R1: 130 R2: 138</b>	<i>Subsamples archived in ABZ until Feb 2026 Mar</i>

**R1: D3:** 1q-18  
 4q-14  
 2q-19  
 3q-17

**A2:** 4q-27  
 3q-21  
 1q-5  
 2q-14

**R2:** 3q-18  
 2q-21  
 1q-10  
 4q-12

**A4:** 1q-13  
 4q-24  
 3q-8  
 2q-32

**B1:**

