

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

Station Summary			
<b>Waterbody Name</b> EAST FORK RACCOON CREEK		<b>Waterbody ID Code</b> 874100	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20201005-54-02
<b>Sampling Location</b> ~10m Downstream of Beloit Newark Rd Bridge		<b>Database Key</b> 250465685	
<b>SWIMS Station ID</b> 10009956		<b>SWIMS Station Name</b> EAST FORK RACCOON CREEK AT BELOIT NEWARK RD	
<b>Latitude</b> 42.54076	<b>Longitude</b> -89.13269	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> <b>WGS84</b> or NAD83
<b>Basin (WMU)</b> SUGAR - PECATONICA		<b>Watershed Name</b> LOWER SUGAR RIVER	<b>County</b> ROCK
Sample and Site Descriptors			
<b>Sample Collector (Last Name, First)</b> JAMES F AMRHEIN, CAMILLE M BRUHN, KIMBERLY KUBER		<b>Project Name</b> SCR LONG-TERM TREND WADEABLE REFERENCE STREAM	
<b>Sampling Device</b>			
<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: _____			
<b>Habitat Sampled</b>			
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input 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			
<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ of _____
<b>Reason For Sampling</b>			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend <input type="checkbox"/> Other: _____			
<b>Water Temp. (C)</b> 10.5	<b>D.O. (mg/l)</b> 12.06	<b>D.O. (% sat.)</b> 108.3	<b>pH (su)</b> 8.71
<b>Conductivity (umhos/cm)</b> 659		<b>Transparency (cm)</b>	
<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)	
<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.1	<b>Average Stream Width of reach (m)</b> 3	
<b>Composition of Substrate Sampled (Percent):</b>			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>35</u>
Sand: <u>35</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
<b>Embeddedness of Substrate at Sample Site (%)</b> <u>20</u>		<b>Canopy Cover at Sample Site (%)</b> <u>100</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
<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 Raatz, Trevor	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 10.9%
Date Processed 1/27/2022	Specimens Saved Subsample archived in ABC cabinet Mar 2025	

A3Q3:16  
 C4Q3:34:50  
 A3Q4:14:64  
 C4Q2:29:93  
 A3Q1:18:111  
 C4Q1:9:120  
 A3Q2:26:146  
 C4Q4:

146

