

**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> 20181018-54-02	
<b>Sampling Location</b> 12 m downstream of Beloit-Newark Rd					<b>Database Key</b> 169813888	
<b>SWIMS Station ID</b> 10009956		<b>SWIMS Station Name</b> EAST FORK RACCOON CREEK AT BELOIT NEWARK RD				
<b>Latitude</b> 42.54075	<b>Longitude</b> 89.13266		<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>		<b>Datum Used if using GPS</b> WGS84 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> AMRHEIN, JAMES				<b>Project Name</b> SCR LONG-TERM TREND WADEABLE REFERENCE STREAM		
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		Other: _____
Habitat Sampled						
<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> _____ <b>of</b> _____	
Reason For Sampling						
<input checked="" type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		Other: _____		
<b>Water Temp. (C)</b> 9.0	<b>D.O. (mg/l)</b> 10.65	<b>D.O. (% sat.)</b> 92.0	<b>pH (su)</b> 8.06	<b>Conductivity (umhos/cm)</b> 632		<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 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)			
<b>Measured Velocity</b> circle units m/s or f/s		<b>Average Stream Depth of reach (m)</b>		<b>Average Stream Width of reach (m)</b>		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>40</u>		Gravel (ladybug to tennisball): <u>30</u>
Sand: <u>30</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other ( _____ ): _____
<b>Embeddedness of Substrate at Sample Site (%)</b> <u>10</u>				<b>Canopy Cover at Sample Site (%)</b> <u>90</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:			
				Pasturing of Livestock			
<b>Physical</b>				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
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 <i>33%</i>						
Date Processed <i>10/25/19</i>	Specimens Saved <i>32 + 29 + 27 + 35 + 29 = 152</i>							
	<table border="0"> <tr> <td>A1</td> <td>E3</td> <td>D1</td> <td>A3</td> <td>E1</td> <td>Total</td> </tr> </table>		A1	E3	D1	A3	E1	Total
A1	E3	D1	A3	E1	Total			

*4 hr  
 subsample archived in ABL until Jan 20 23*