

Spring Brook @ Hwy X
 Station # 10051292
 Sample 1 of 1
 20181023-68-07
 Rachel Sabre

State of Wisconsin
 Department of Natural Resources
 PO Box 7291, Madison WI
 dnr.wi.gov

**Wadeable Macroinvertebrate
 Field Data Report**
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Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name SPRING BROOK			Waterbody ID Code 770300		Sample ID (YYYYMMDD-CY-FD) 20181023-68-07
Sampling Location					Database Key 169406776
SWIMS Station ID 10051292		SWIMS Station Name SPRING BROOK US OF HWY X			
Latitude 42.9301061	Longitude -88.3598581		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) FOX (IL)			Watershed Name MIDDLE FOX RIVER - ILLINOIS		County WAUKESHA
Sample and Site Descriptors					
Sample Collector (Last Name, First) RACHEL SABRE			Project Name MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE		
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 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) 1min	Estimated Area Sampled (m²) 1m ²		Number of Samples in Composite 1		Replicate No. 1 of 1
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: TWA	
Water Temp. (C) 10.46	D.O. (mg/l) 10.26	D.O. (% sat.) 94.0	pH (su) 8.09	Conductivity (umhos/cm) 694.4	Transparency (cm) 120
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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) 0.15m		Average Stream Width of reach (m) 3m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 10	
Sand: 20		Clay: _____		Gravel (ladybug to tennisball): 10	
Aquatic Macrophytes: _____		Silt/Muck: 20		Overhanging Vegetation: 20	
Leaf Snags: 20		Coarse Woody Debris: _____		Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 40%			Canopy Cover at Sample Site (%) 70%		

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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				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>Kiersten Czarnecki</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>40</i>
Date Processed <i>5/3/2019</i>	Specimens Saved <i>subsample archived in ABC, until Jul 2022</i>	

D1: 26 D3: 18 A3: 50
E3: 20 D2: 13 B3: _____
46 31

31 77
46 50
77 127