

Spring Brook @ Holiday Road

Station # 10030864

Sample 1 of 1

20181023-68-08

Rachel Sabre

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

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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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) <u>20181023-68-08</u>
Sampling Location		Database Key 169406780

SWIMS Station ID 10030864		SWIMS Station Name SPRING BROOK AT HOLIDAY RD	
Latitude 42.94624	Longitude -88.34291	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 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

Total Sampling Time (min) <u>1m</u>	Estimated Area Sampled (m ²) <u>1/2m²</u>	Number of Samples in Composite <u>1</u>	Replicate No. <u>1</u> of <u>1</u>
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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: <u>TWA</u>

Water Temp. (C) <u>8.70</u>	D.O. (mg/l) <u>11.15</u>	D.O. (% sat.) <u>98.0</u>	pH (su) <u>7.85</u>	Conductivity (umhos/cm) <u>864.5</u>	Transparency (cm) <u>120</u>
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Water Color

<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Turbid	<input type="checkbox"/> Stained
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Estimated Stream Velocity (m/s)

<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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Measured Velocity circle units <u>m/s or f/s</u>	Average Stream Depth of reach (m) <u>0.15m</u>	Average Stream Width of reach (m) <u>4m</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>10</u>	Gravel (ladybug to tennisball): <u>60</u>
Sand: <u>20</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: <u>10</u>	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20% **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	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		
Physical			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

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>12/24/19</i>	Specimens Saved <i>Subsample archived in ABC until Jul 2022</i>	

B3=33

B2=80 A3=10

→NS

130