

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name SPRING BROOK	Waterbody ID Code 752400	Sample ID (YYYYMMDD-CY-FD) 20161028-65-07

Sampling Location 1st Riffle US of Hargraves Rd	Database Key 136774825
---	----------------------------------

SWIMS Station ID 10016299	SWIMS Station Name SPRING BROOK - UPSTREAM OF HARGRAVES RD.
-------------------------------------	---

Latitude 42.711933	Longitude -88.38565	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or <u>NAD83</u>
------------------------------	-------------------------------	--	---

Basin (WMU) FOX (IL)	Watershed Name SUGAR AND HONEY CREEKS	County WALWORTH
--------------------------------	---	---------------------------

Sample and Site Descriptors	
Sample Collector (Last Name, First) RACHEL SABRE	Project Name SUGAR CREEK TWA [SECTION 319][HUC10] 2016

Sampling Device

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

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

Reason For Sampling

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

Water Temp. (C) 10.99	D.O. (mg/l) 10.7	D.O. (% sat.) 100.2	pH (su) 8.05	Conductivity (umhos/cm) 829.7	Transparency (cm) +120
---------------------------------	----------------------------	-------------------------------	------------------------	---	----------------------------------

Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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) .3m	Average Stream Width of reach (m) 4.5m
--	---	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 30
 Sand: 30 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 80

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			
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 Cadie Olson	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 47%
Date Processed 12/12/16	Specimens Saved Subsample archived in ABL until Mar 20 20	

E3: 20 D1: 14 A2: 23 C1: 17
 B1: 21 E2: 16 A3: 23 = 134