

Sample in 2 Jars

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SUGAR CREEK	Waterbody ID Code 752100	Sample ID (YYYYMMDD-CY-FD) 20161103-65-04
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Sampling Location 50m US of treefalls	Database Key 135921681
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SWIMS Station ID 10010450	SWIMS Station Name SUGAR CREEK IATHODGES RD.(45-50M UPSTREAM)
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Latitude 42.73645	Longitude -88.53664	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
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Basin (WMU) FOX (IL)	Watershed Name SUGAR AND HONEY CREEKS	County WALWORTH
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Sample and Site Descriptors

Sample Collector (Last Name, First) DYLAN OLSON	Project Name SUGAR CREEK TWA [SECTION 319][HUC10] 2016
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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

*woody debris
occasional veg*

Total Sampling Time (min) 60min	Estimated Area Sampled (m²) 2m ²	Number of Samples in Composite 3	Replicate No. <u>1</u> of <u>2</u> <i>JD</i>
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Reason For Sampling

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

Water Temp. (C) 11.7	D.O. (mg/l) 9.3	D.O. (% sat.) 88.2	pH (su) 7.7	Conductivity (umhos/cm) 852.7	Transparency (cm) 75
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Water Color <input type="checkbox"/> Clear <input checked="" 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)
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Measured Velocity — circle units m/s or f/s	Average Stream Depth of reach (m) .80 ft	Average Stream Width of reach (m) 8.3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10
 Sand: 20 Clay: _____ Silt/Muck: 30 Overhanging Vegetation: 20
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 20 Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 90 Canopy Cover at Sample Site (%) 40

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

Sample in 2 jars

For Lab Use Only

Sample Sorter Andrew Kahlmann	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 40%
Date Processed 12/19/16	Specimens Saved Subsample archived in ASL until Mar 2020	

A3-25 A7-1092
 C2-53 D1-114
 E2-76 C3-127