

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SEAS BRANCH	Waterbody ID Code 1189800	Sample ID (YYYYMMDD-CY-FD) 201610196321
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Sampling Location 0.5 Km downstream Seas Branch Rd. / 50 m east of CTH-Y Rd.	Database Key 142720671
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SWIMS Station ID 10028744	SWIMS Station Name SEAS BRANCH NEAR STH Y
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Latitude 43.60635	Longitude -90.82918	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER WISCONSIN	Watershed Name WEST FORK KICKAPOO RIVER	County VERNON
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Sample and Site Descriptors

Sample Collector (Last Name, First) MICHAEL MILLER	Project Name KICKAPOO AND LITTLE WILLOW RIVER MACROINVERTEB
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Sampling Device

D-Frame 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) 20	Estimated Area Sampled (m²) 3	Number of Samples in Composite —	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 11.3	D.O. (mg/l) 12.6	D.O. (%sat.) 118	pH (su)	Conductivity (umhos/cm) 514	Transparency (cm) 123+
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 10 Canopy Cover at Sample Site (%) 0

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:		
Physical			Pasturing of Livestock		
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments *Extensive streambank storm damage, invert numbers vastly reduced.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Justin Kowalski</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>3-30-17</i>	Specimens Saved <i>Subsample archived in ABL until Sept 2020</i>	

*A1 D2
 97 56*

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name Seas Branch		Waterbody ID Code 10028744	Sample ID (YYYYMMDD-CY-FD) 20161019-63-21
Sampling Location 0.5 Km downstream of Seas Branch Rd on CTH-Y			
SWIMS Station ID 10028744	SWIMS Station Name		Database Key
Latitude 43.6063	Longitude -90.8292	Lat/Long Determination method (circle) SWIMS SWDV GPS	Datum Used if using GPS NAD 27 or NAD83
Basin (WMU)	Watershed Name Kickapoo River		County Vernon

Sample and Site Descriptors	
Sample Collector (Last Name, First) Miller, Mike	Project Name Willow-Kickapoo
Sampling Device	
<input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> Other: D-Frame	

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) 20	Estimated Area Sampled (m ²) 3	Number of Samples in Composite —	Replicate No. — of —
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Reason for Sampling			
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend Control			

Water Temp. (C) 11.3	D.O. (mg/l) 12.6	D.O. (% sat.) 118	pH (su)	Conductivity (umhos/cm) 514	Transparency (cm) 123+
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Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball.): 60
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 20
Aquatic Macrophytes: _____	Leaf Snags: _____	Course Woody Debris: _____	Other (_____): _____
Embeddedness of Substrate at Sample Site (%) 10		Canopy Cover at Sample Site (%) 0	

Stream and Watershed Descriptors

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Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides ...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
Physical				Bank Erosion			
Bank Erosion				Point Source - Specify:			
Channelization - Upstream				Pasturing of Livestock			
- Downstream				Runoff: - Barnyard			
Hydraulic Scour / Channel Incision				- Construction			
Impoundment: - Upstream				- Cropland			
- Downstream				- Urban			
Low Flow				Septic Systems			
Sedimentation				Tile Drainage - Organic Soils			
Sludge				- Minerals soils			
Thermal				Springs			
Turbidity				Tributary(s)			
Other - Specify:				Wetland			
				Other - Specify:			

Comments:
Stream still recovering from August storms. While ~40% of substrate has periphytic growth, much of streambed still "clean". Invert numbers vastly reduced.

Special Instructions for Laboratory: Vastly reduced.

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Date Processed	Specimens Saved	