

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name ELK CREEK	Waterbody ID Code 1191700	Sample ID (YYYYMMDD-CY-FD) 201610196312
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Sampling Location 100m upstream E. River Rd. bridge	Database Key 142720606
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SWIMS Station ID 10029666	SWIMS Station Name ELK CREEK AT EAST RIVER RD.
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Latitude 43.46758	Longitude -90.689224	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 MIDDLE 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) 15	Estimated Area Sampled (m²) 2	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) 12.5	D.O. (mg/l) 11.6	D.O. (% sat.) 104	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) 0.3	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): _____ Gravel (ladybug to tennisball): 80

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

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

Embeddedness of Substrate at Sample Site (%) 5
 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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		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 *stream bed scoured but less storm-damaged than other Kickapoo Watershed streams sampled.*

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>3-27-17</i>	Specimens Saved <i>Subsample archived in ABC index 1 Sept 2020</i>	

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117 122

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name Elk Creek		Waterbody ID Code 1191700	Sample ID (YYYYMMDD-CY-FD) 20161019-63-12
Sampling Location 100m upstream East River Rd.			
SWIMS Station ID 10029666	SWIMS Station Name Elk Creek		Database Key
Latitude 43.467695	Longitude -90.689177	Lat/Long Determination method (circle) SWIMS SWDV GPS	Datum Used if using GPS NAD 27 or NAD83
Basin (WMU)		Watershed Name Kockapoo River	County Vernon

Sample and Site Descriptors	
Sample Collector (Last Name, First) Miller, Mike	Project Name Willow-Kockapoo
Sampling Device	
<input 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 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) 15	Estimated Area Sampled (m ²) 2	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	<input type="checkbox"/> Other:

Water Temp. (C) 12.5	D.O. (mg/l) 11.6	D.O. (% sat.) 104	pH (su)	Conductivity (umhos/cm) 514	Transparency (cm) 120+
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Water Color		Estimated Stream Velocity (m/s)	
<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Turbid	<input type="checkbox"/> Slow (< 0.15 m/s)	<input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s)
<input type="checkbox"/> Stained		<input checked="" type="checkbox"/> Fast (> 0.5 m/s)	

Measured Velocity	circle units mps or cfs	Average Stream Depth of reach (m) 0.3	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): _____ Gravel (ladybug to tennisball.): **80**

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

Aquatic Macrophytes: _____ Leaf Snags: _____ Course Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) **5** Canopy Cover at Sample Site (%) **0**

Wadeable Macroinvertebrate Field Data Report

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Stream and Watershed Descriptors

N = Not a problem
U = Uncertain

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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		
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 bed clean but less storm impacted relative to previously sampled sites

Special Instructions for Laboratory:

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