

Instructions: Bold fields must be completed.

Station Summary

| | | |
|-------------------------------------|-------------------------------------|---|
| Waterbody Name COOK CREEK | Waterbody ID Code 1199600 | Sample ID (YYYYMMDD-CY-FD) 201610194228 |
|-------------------------------------|-------------------------------------|---|

| | |
|--|----------------------------------|
| Sampling Location 15 m Downstream Niagra Ave. bridge | Database Key 142720602 |
|--|----------------------------------|

| | |
|-----------------------------------|--|
| SWIMS Station ID 423062 | SWIMS Station Name COOK CREEK NIAGRA AVE. BRIDGE |
|-----------------------------------|--|

| | | | |
|-------------------------------|---------------------------------|---|--|
| Latitude 43.7405847 | Longitude -90.5977533 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
|-------------------------------|---------------------------------|---|--|

| | | |
|---------------------------------------|---|-------------------------|
| Basin (WMU) LOWER WISCONSIN | Watershed Name UPPER KICKAPOO RIVER | County MONROE |
|---------------------------------------|---|-------------------------|

Sample and Site Descriptors

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

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) 10 | Estimated Area Sampled (m²) 1 | Number of Samples in Composite 1 | Replicate No. _____ of _____ |
|--|--|--|--|

Reason For Sampling

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

| | | | | | |
|--------------------------------|----------------------------|----------------------------|----------------|---------------------------------------|--------------------------------|
| Water Temp. (C) 10.8 | D.O. (mg/l) 12.8 | D.O. (%sat.) 115 | pH (su) | Conductivity (umhos/cm) 542 | Transparency (cm) 80 |
|--------------------------------|----------------------------|----------------------------|----------------|---------------------------------------|--------------------------------|

| | |
|---|---|
| Water Color <input 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 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) 0.3 | Average Stream Width of reach (m) 3.0 |
|--|---|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 70

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

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: 10 Other (): _____

Embeddedness of Substrate at Sample Site (%) 20 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 *Stream highly incised, water tinged with silt, pools silty*

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>7</i> |
| Date Processed <i>3/16/17</i> | Specimens Saved <i>Subsample archived in ABC until Sept 2020</i> | |

*Bd
147*

Instructions: Bold fields must be completed.

Station Summary

| | | |
|-------------------------------------|-------------------|---|
| Waterbody Name Cook Creek | Waterbody ID Code | Sample ID (YYYYMMDD-CY-FD) 20/6/019-42-28 |
|-------------------------------------|-------------------|---|

Sampling Location
15 DS Niagara Avenue

| | | |
|-----------------------------------|---|--------------|
| SWIMS Station ID 423062 | SWIMS Station Name Cook Creek | Database Key |
|-----------------------------------|---|--------------|

| | | | |
|-----------------------------|--------------------------------|---|--|
| Latitude 43.74044 | Longitude -90.597713 | Lat/Long Determination method (circle) SWIMS SWDV GPS | Datum Used if using GPS NAD 27 or NAD83 |
|-----------------------------|--------------------------------|---|--|

| | | |
|-------------|---|-------------------------|
| Basin (WMU) | Watershed Name Kickapoo River | County Monroe |
|-------------|---|-------------------------|

Sample and Site Descriptors

| | |
|--|--|
| Sample Collector (Last Name, First) Moller, Mike | Project Name Willow - Kickapoo |
|--|--|

Sampling Device

Kick Net Surber Sampler Eckman
 Ponar Artificial Substrate Hess Sampler Other: **D-Frame**

Habitat Sampled

Riffle Run Pool
 Other Shoreline Composite Proportionally-Sampled Habitat
 Littoral Zone Profundal Zone Wetland

| | | | |
|--|--|--|------------------------------------|
| Total Sampling Time (min) 10 | Estimated Area Sampled (m ²) 1 | Number of Samples in Composite — | Replicate No. — of — |
|--|--|--|------------------------------------|

Reason for Sampling

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

| | | | | | |
|--------------------------------|----------------------------|-----------------------------|---------|---------------------------------------|--------------------------------|
| Water Temp. (C) 10.8 | D.O. (mg/l) 12.8 | D.O. (% sat.) 115 | pH (su) | Conductivity (umhos/cm) 542 | Transparency (cm) 80 |
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|---|--|

| | | |
|---|---|---|
| Measured Velocity circle units mps or cfs | Average Stream Depth of reach (m) 0.3 | Average Stream Width of reach (m) 3 |
|---|---|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): **10** Gravel (ladybug to tennisball.): **70**
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: **10** Course Woody Debris: **10** Other (): _____
 Embeddedness of Substrate at Sample Site (%) **20** Canopy Cover at Sample Site (%) **40**

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| 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: *Highly incised, tinge of salt in water, pools silty*

Special Instructions for Laboratory:

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|------------------|-----------------|------------------------------------|
| Sample Sorter | Taxonomist | Estimated Percent of Sample Sorted |
| Date Processed | Specimens Saved | |