

20161019-42-31

Instructions: Bold fields must be completed.

Station Summary

| | | |
|---|-------------------------------------|--|
| Waterbody Name KICKAPOO RIVER | Waterbody ID Code 1182400 | Sample ID (YYYYMMDD-CY-FD) 001610190313 WV |
|---|-------------------------------------|--|

| | |
|--|----------------------------------|
| Sampling Location 20 m downstream ITH-131 bridge | Database Key 142720614 |
|--|----------------------------------|

| | |
|-------------------------------------|--|
| SWIMS Station ID 10032695 | SWIMS Station Name KICKAPOO RIVER AT HWY. 131 WILTON |
|-------------------------------------|--|

| | | | |
|----------------------------|-------------------------------|---|--|
| Latitude 43.8111 | Longitude -90.53225 | 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) 2 | 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) 10.1 | D.O. (mg/l) 11.2 | D.O. (%sat.) 100 | pH (su) | Conductivity (umhos/cm) 488 | Transparency (cm) 123+ |
|--------------------------------|----------------------------|----------------------------|----------------|---------------------------------------|----------------------------------|

| | |
|--|--|
| 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) 0.25 | Average Stream Width of reach (m) 4 |
|--|--|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): **80**

Sand: **10** Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) **15** 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 | Watershed | Factors that may be influencing Water Resource Integrity | | Local | Watershed |
|--|--|-------|-----------|--|--|-------|-----------|
| 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

No evidence of storm flow damage
 N. Hogsucker, Longnose dace evident, stream bed healthy

Special Instructions for Laboratory

For Lab Use Only

| | | |
|---------------------------------|--|---|
| Sample Sorter Kuhme, Allison | Taxonomist Dimick, Jeffrey | Estimated Percent of Sample Sorted 7 |
| Date Processed 3-27-17 | Specimens Saved Subsample archived in ABC until Sept 2020 | |

E1 → 221

Instructions: Bold fields must be completed.

| Station Summary | | | |
|--|---|---|---|
| Waterbody Name <u>Kickapoo R</u> | | Waterbody ID Code <u>1187900</u> | Sample ID (YYYYMMDD-CY-FD) <u>20161019-63-13</u> |
| Sampling Location <u>Hwy 131 Bridge 20 m downstream</u> | | | |
| SWIMS Station ID <u>10032695</u> | SWIMS Station Name | | Database Key |
| Latitude <u>43.81156</u> | Longitude <u>-90.532265</u> | Lat/Long Determination method (circle) <u>SWIMS</u> SWDV GPS | Datum Used if using GPS NAD 27 or NAD83 |
| Basin (WMU) | Watershed Name <u>Kickapoo River</u> | | County <u>Vernon</u> |

| Sample and Site Descriptors | |
|--|--|
| Sample Collector (Last Name, First) <u>Miller, Mike</u> | Project Name <u>Willow-Kickapoo Project</u> |

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) <u>10</u> | Estimated Area Sampled (m ²) <u>2</u> | Number of Samples in Composite <u>1</u> | Replicate No. _____ of _____ |
|--|--|--|------------------------------|

Reason for Sampling

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

| | | | | | |
|--------------------------------|----------------------------|-----------------------------|---------|---------------------------------------|----------------------------------|
| Water Temp. (C) <u>10.1</u> | D.O. (mg/l) <u>11.2</u> | D.O. (% sat.) <u>100</u> | pH (su) | Conductivity (umhos/cm) <u>488</u> | Transparency (cm) <u>120+</u> |
|--------------------------------|----------------------------|-----------------------------|---------|---------------------------------------|----------------------------------|

Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s) Moderate (0.15 m/s - 0.5 m/s) Fast (> 0.5 m/s)

| | | |
|---|--|---|
| Measured Velocity circle units mps or cfs | Average Stream Depth of reach (m) <u>0.25</u> | Average Stream Width of reach (m) <u>4</u> |
|---|--|---|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball.): 80
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Course Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 15 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 | | | |
| 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:

No evidence of storm flows
N. Hog Sucker LN Dace
Stream bed healthy

Special Instructions for Laboratory:

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