

Instructions: Bold fields must be completed.

| Station Summary | | | |
|--|------------------------|--|--|
| Waterbody Name HOTON CREEK | | Waterbody ID Code 1307000 | Sample ID (YYYYMMDD-CY-FD) 20171115-29-01 |
| Sampling Location 1 meter DS of culvert | | Database Key 151079454 | |
| SWIMS Station ID 10012172 | | SWIMS Station Name HOTON CREEK - UPSTREAM JACOBSON ROAD | |
| Latitude 43.861656 | Longitude -90.25928 | Lat/Long Determination Method (circle) SWIMS SWDV GPS | Datum Used if using GPS WGS84 or NAD83 |
| Basin (WMU) LOWER WISCONSIN | | Watershed Name LITTLE LEMONWEIR RIVER | County JUNEAU |

| Sample and Site Descriptors | |
|--|--|
| Sample Collector (Last Name, First) CAMILLE BRUHN | Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS |

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) 0.5 | Estimated Area Sampled (m ²) 0.5 | Number of Samples in Composite 1 | Replicate No. <u>1</u> of <u>1</u> |
|----------------------------------|---|-------------------------------------|------------------------------------|

Reason For Sampling

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

| | | | | | |
|-------------------------|----------------------|------------------------|-----------------|--------------------------------|---------------------------|
| Water Temp. (C) 8.59 | D.O. (mg/l) 12.71 | D.O. (% sat.) 108.9 | pH (su) 7.61 | Conductivity (umhos/cm) 144 | Transparency (cm) 120+ |
|-------------------------|----------------------|------------------------|-----------------|--------------------------------|---------------------------|

Water Color Estimated Stream Velocity (m/s)

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

| | | |
|---|--|--|
| Measured Velocity circle units m/s or f/s | Average Stream Depth of reach (m) 0.2 | Average Stream Width of reach (m) 1.5 |
|---|--|--|

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 (Artificial) Gravel (ladybug to tennisball): _____
 Sand: 40 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 50 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 | N | U | Chlorine | U | U |
| - Filamentous Algae | N | U | Dissolved Oxygen | U | U |
| - Planktonic Algae | N | U | Nutrients (P, N...) | U | U |
| Iron Bacteria | N | U | Toxics: - Inorganic (Metals) | U | U |
| Macrophytes | PL | U | - Organic (PCBs, pesticides...) | U | U |
| Slimes | N | U | Other - Specify: | | |
| Other - Specify: | | | Sources of Stream Impacts | | |
| | | | Bank Erosion | N | U |
| Physical | | | Point Source - Specify: | N | U |
| Bank Erosion | N | U | Pasturing of Livestock | N | U |
| Channelization: - Upstream | N | U | Runoff: - Barnyard | N | U |
| - Downstream | N | U | - Construction | N | U |
| Hydraulic Scour / Channel Incision | N | U | - Cropland | N | U |
| Impoundment: - Upstream | N | U | - Urban | N | U |
| - Downstream | N | U | Septic Systems | U | U |
| Low Flow | U | U | Tile Drainage - Organic Soils | U | U |
| Sedimentation | PL | U | - Mineral Soils | U | U |
| Sludge | N | U | Springs | U | U |
| Thermal | U | U | Tributary(s) | U | U |
| Turbidity | N | U | Wetland | N | U |
| Other - Specify: | | | Other - Specify: | | |

Comments Sampled 1m DS of culvert where only hard substrate was present. No riffles present to sample. Substrate was gravel pieces & chunks of gravel pieces in cement/blacktop. Riparian buffer good & wide. Lots of curly cut pondweed present.

Special Instructions for Laboratory

| For Lab Use Only | | |
|-------------------------------|---|---|
| Sample Sorter Sam Lamarche | Taxonomist Dimick, Jeffrey | Estimated Percent of Sample Sorted 27% |
| Date Processed 11/6/18 | Specimens Saved Subsample archived in ABC until Jan 2022 | |

3A 1E 1D 1A 2A 3A
 39 40 63
 142 total