

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name HOTON CREEK		Waterbody ID Code 1307000	Sample ID (YYYYMMDD-CY-FD) 20161019-29-02
Sampling Location 3m DS of Hoton Creek at Jacobson culvert crossing		Database Key 134803469	
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

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) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 10.91	D.O. (mg/l) 11.12	D.O. (%sat.) 100.8	pH (su) 7.50	Conductivity (umhos/cm) 148	Transparency (cm) 120+
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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 checked="" 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)
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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) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60% Gravel (ladybug to tennisball): 20%
 Sand: 10% Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 10%
 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	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N		Chlorine	U	
- Filamentous Algae	N		Dissolved Oxygen	N	
- Planktonic Algae	N		Nutrients (P, N...)	U	
Iron Bacteria	U		Toxics: - Inorganic (Metals)	U	
Macrophytes	N		- Organic (PCBs, pesticides...)	U	
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	
			Point Source - Specify:	N	
Physical			Pasturing of Livestock	N	
Bank Erosion	N		Runoff: - Barnyard	N	
Channelization: - Upstream	N		- Construction	N	
- Downstream	N		- Cropland	PL	
Hydraulic Scour / Channel Incision	N		- Urban	N	
Impoundment: - Upstream	N		Septic Systems	U	
- Downstream	N		Tile Drainage - Organic Soils	U	
Low Flow	N		- Mineral Soils	U	
Sedimentation <i>All shifting sand bottom & woody debris</i>	N		Springs	U	
Sludge	N		Tributary(s)	U	
Thermal	N		Wetland	U	
Turbidity	N		Other - Specify:		
Other - Specify:					

Comments *Sampled about 3m DS of culvert. No riffle areas present. Sampled rubble and overhanging vegetation. Only small rubble/gravel area, all other areas sand bottom. Crop land present locally.*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Taylor Hasz</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>8-23-17</i>	Specimens Saved <i>Subsample archived in ABC until Nov 2020</i>	

*CL 71
 E3 69*

