

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>
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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+
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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
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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

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
5	<i>Nemoura trispinosa</i>	L	-	5	Hils 1995		
14	<i>Taeniopteryx nivalis</i>	L	-	9	Fall 2016 1980		
	Lepidopterygidae	L		1	Kuh 2016	dead	
37	<i>Lepidostoma</i>	L		3	Hils 1995		
	<i>Hesperocheilus designatus</i>	L		1	"		
	<i>Limnephilus</i>	L		1	"		
	Ephemerellidae	L		1	Leut Mer 2008		
	<i>Simulium vittatum</i> species complex 08110218	L		1	Adler et al 2004		
	<i>Dixaneta</i>	L		1	Hils 1995		
22	<i>Hesperocheilus dolichocephalus</i>	L	-	5	"		
	<i>Ptilaria</i>	L		1	"		
	<i>Gammarus pseudolimnoides</i>	A	05	70	Hils 1972		
	Caecidotea	A	x	10	Will 1972	sem/imm	
	Tubificinae (without hairs)	A		1	Klemm 1985		
	<i>Metagnathocera</i>	A	"	2	Thorp Bog 2016		
	<i>Dryas</i>	A	"	2	"		
	Spit A3 Chironomidae	L	+ JVD				
	<i>Conchapelopia</i> 08270700	L		1	Cran Epl 2013		
	<i>Thienemannimyia</i> group	L		1	"	mt indet	N
	<i>Procladius olivacea</i>	L	"	2	Southaker 2013a		
	<i>Brillia</i>	L		1	Andert 3 2013	imm	
23	<i>Parachannaeladus</i>	L		1	"		
	<i>Micropsectra</i>	L		1	Epl et al 2013		
	<i>Paratanytarsus longistilus</i>	L	-	6	"		
	<i>Polypedilum</i>	L	"	2	"	mt indet	Y
	<i>P. (Desipeditum) aviceps</i>	L	-	5	Bolton 2012		
	<i>Zootanytarsus</i>	L	x	11	Epl et al 2013		

>3 taxa, TVAL ≤ 2.0

23 > (0.1 x 128)