State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

9/29/21

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
HOTON CREEK	1307000	20210929-29-01

Sampling Location: DS Of Jacobson RD. Crossing (riffle below culvert)

Database Key: 285900709

SWIMS Station ID	**SWIMS Station Name**
10012172	HOTON CREEK - UPSTREAM JACOBSON ROAD

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

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	LITTLE LEMONWEIR RIVER	JUNEAU

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KURT RASMUSSEN, ANDREW J SCHNEYEI	WCR LONG-TERM TREND WADEABLE REFERENCE STREAM

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

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

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.**
2	1	—	0 of 0

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [x] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
13.2	10.73	102.3	6.34	118	>120

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

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

Measured Velocity	circle units	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
1.2	m/s or (f/s)	0.5 M	2.0M

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 10

Sand: 40 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 25 **Canopy Cover at Sample Site (%)** 0

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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
Biological		
Algae: - Diatoms / Periphyton	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	PL	U
Macrophytes	PL	PL
Slimes	N	N
Other - Specify:	N	N
Physical		
Bank Erosion	N	N
Channelization: - Upstream	N	N
- Downstream	U	U
Hydraulic Scour / Channel Incision	PL	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	N	N
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	U
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	N	N
Tributary(s)	N	N
Wetland	PL	PL
Other - Specify:	N	N

Comments
Downstream of culvert in Rocky Riffle.

Special Instructions for Laboratory
11-30-2022

R2

A4	C2	A1	D1	A3	D4	B2	C1
93-8	93-6	92-3	93-4	93-8	91-4	92-1	91-6
91-5	94-2	91-2	92-2	94-1	94-6	91-6	94-4
94-4	91-5	93-2	91-4	92-2	92-6	93-4	93-4
92-6	92-7	94-5	94-0	91-5	93-9	94-2	92-2

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For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Mary Joy Relagio	Dimick, Jeffrey	R1 88% / R2 50%
Date Processed	**Specimens Saved**	
11-18-2022	Subsamples archived in DBL until Mar 2026	

R1

B3	B4	C4	B2	A2	A1	D1	B1	A4	A3	C3	D2	C1	A2
94-1	92-2	91-1	94-2	92-1	93-5	94-5	91-6	93-4	92-0	91-1	91 1	94-4	93-0
92-1	93-2	93-3	92-6	94-4	92-6	92-3	94-0	91-2	94-0	92-3	92 2	93-2	92-3
91-1	91-2	92-8	93-1	91-1	94-3	91-4	93-2	94-3	93-2	94-1	93-0	91-2	91-3
93-2	94-2	94-0	92-2	93-2	91-3	93-1	92-3	92-2	91-0	93-0	92 2	92-3	94-2

=127

Wisconsin Department of Natural Resources
ABL SampleNum: **20210929-29-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Hoton Creek**
SWIMS Database Key: **285900709**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Baetis bonneicolor	L	19	15		Klob 2016		
Taeniopteryx	L	5	2		MCB 2019	mm	
Glossosoma intermedium	L	1	0		WymMac 2000		
Lepidostoma	L	3	4		MCB 2019		
Hesperophylax designatus	L	4	10		Wils 1995		
Psychoglypha subborealis	L	1	0		"		
Sialis	L	1	0		MCB 2019		
Optioservus	L	1	0		"	mm	
Chironomidae 08250002	P	0	1		"	dam	N
Neoplasta	L	1	0		"		
Tipula	L	0	1		"		
Gammarus pseudolimnaeus	A	87	93		Wols 1972		
Caecidotea intermedia	A	1	2		Will 1972		
physa	A	4	6		ThorpRog 2016		
~~Split Chironomidae~~	~~L~~	~~2~~	~~5~~	~~NO~~			
Orthocladiinae 08300000	L	0	1		Anderetal 2013	mm	Y
Brillia	L	0	1		"	mm	
corynoneura	L	1	0		"		
Paratanytarsus longistilus	L	1	1		"		
Rheotanytarsus	L	1	1		"		