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)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
WHITE HOLLOW CREEK	1242600	20180925-25-02

Sampling Location: US CTH HH

Database Key: 168762866

SWIMS Station ID	**SWIMS Station Name**
253073	WHITE HOLLOW CR. US OF CTH HH

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.1125011	-89.933953	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	MILL AND BLUE MOUNDS CREEK	IOWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JEAN UNMUTH	MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI

Sampling Device

- [X] 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)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ___ **of** ___
4.0	2.0	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.8	10.8	103	7.7		120

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: m/s or f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
0.04	0.10	1.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 10

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

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **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		
- Filamentous Algae	N	
- Planktonic Algae		
Iron Bacteria	N	
Macrophytes	N	
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	N	
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision	N	
Impoundment: - Upstream		
- Downstream		
Low Flow	N	
Sedimentation	N	
Sludge	N	
Thermal	N	
Turbidity	N	
Other - Specify:		

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

Comments
2 hr NZMS examination on unsorted remnant JVD
0.6 hr image capturing - not NZMS

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Sam Lamarche	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
4/20/19	Subsample archived in ABL until Jun 2022	

B3 C3 A1 D3
37 32 41 36

146 total specs

Wisconsin Department of Natural Resources
ABL SampleNum: **20180925-25-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **White Hollow Creek**
SWIMS Database Key: **168762866**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	xIII	14	Klvb 2016		
B. tricaudatus	L	I	5	"		
Brachycentrus occidentalis	L	xII	12	Hils 1995		
Diplectrona modesta	L	II	2	Hils 1995		
Lepidostoma	L	III	3	"		
Limnephilus	L	III	3	"		
Helichus striatus	A	I	1	Hils Schm 1992		
Dytiscus	L	III	3	"	imm	N
O. fastidiosus L, 6 A, 4	L,A	x	10	"		
Tipula	L	II	2	Hils 1995		
Gammarus pseudolimnaeus	A	IIII	65	Hols 1972		
Caecidotea intermedia	A	D	20	Will 1972		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
Megadrili = Metagynophora	A	II	2	Thorp, Rog 2016		
Hydrobiidae NOT P. antipodarum	A	I	1	"		
Physa	A	-I	6	Thorp, Rog 2016		
Pisidium	A	I	1	Burch 1972		
no Chironomidae larvae in grid subsample		KAW	WD			