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)**
Meudt Creek	1244600	20180924-25-04

Sampling Location: US of Sawle Rd White Hill

Database Key: 168762789

SWIMS Station ID	**SWIMS Station Name**
10051107	MEUDT CREEK US SAWLE RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.0431551	-90.0270847	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~~
- [X] 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)**
12.4	9.4	91.0	8.1		23.0

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	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
0.05	(m/s) or f/s	0.20	0.80

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: 40 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 20

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

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

Comments: Channelized runoff coming from two large acreage pastures on hilltop. Overgrazed + bare soils on hilltop causes siltation to stream during rain events.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kiersten Czarnecki	Bimick, Jeffrey	20
Date Processed	**Specimens Saved**	
4/16/2019	subsample archived in ABL until Jan 2022	

C1=64 A2=48
B2=51

Wisconsin Department of Natural Resources
ABL SampleNum: **20180924-25-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Meudt Creek**
SWIMS Database Key: **168762789**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	x-	15	Klub 2016		
Aeshna interrupta	L	I	1	Need et al 2006		
Boyeria vinosa	L	I	1	"		
Brachycentrus occidentalis	L	8x IIII	54	Wils 1985		
Hesperophylax designatus	L	I	1	Wils 1995		
Limnephilus	L	III	3	"		
Oligostomis ocelligera	L	I	1	"		
Hemerodromia	L	I	1	Coutt Merr 2008		
Neoplasta	L	I	1	"		
Empididae	P	I	1	Merr Webb 2008		
Simulium tuberosum species complex	L	I	1	Adl et al 2004		
Antocha	L	I	1	Wils 1995		
Tipula	L	II	2	"		
Acantomesa	P	I	1	Fer et al 2008		
Gammarus pseudolimnaeus	A	8III	43	Wols 1972		
Caecidotea intermedia	A	x-	15	Will 1972		
Sigara grossolineata	A	I	1	Wils 1984a		
Tubificinae (without hairs)	A	8	40	Klemm 1985		
Megadrili = Metagynophora	A	II	2	Thorp Rog 2016		
Dina parva	A	II	2	Klemm 1985		
Physa	A	-	5	Thorp Rog 2016		
Pisidium	A	x1	11	Burch 1972		
~~Split A3 Chironomidae~~	~~L~~	~~HHJJ1~~				
Thienemanniniyia group	L	I	1	Cran Epl 2013		
Corynoneura	L	I	1	And + 3 2013		
Orthocladius (Orthocladius)	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	-	5	Bolton 2012		
Rheotanytarsus	L	-III	8	Epl et al 2013		