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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)**
UNNAMED	3000021	20191001-05-01

Sampling Location: 25m DS Bridge

Database Key: 218829967

SWIMS Station ID	**SWIMS Station Name**
053492	MAHON CREEK TRIB TO GREEN BAY - MAHON CREEK TRIB TO GREEN BAY

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.530273	-87.9358	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER FOX	EAST RIVER	BROWN

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	FOX RIVER AOC- NON-WADEABLE MACROINVERTEBRATE

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.**
3	5	1	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
17.7	8.4	87.7	7.8	,862	

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 m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	,5	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10

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

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

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

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Eric Naas	Dimick, Jeffrey	67%
Date Processed	**Specimens Saved**	
7/16/2020	Subsample archived in ABL until Sept 2023	

E2 B3 C2 C1 A3 D3 B2 D1 A1 C3
13 14 12 13 9 11 11 20 10 18 = 134

Wisconsin Department of Natural Resources dy: **Unnamed Tributary to Green Bay (3000021, Mahon)**
ABL SampleNum: **20191001-05-01** SWIMS Database Key: **218829967**
Taxonomist: Dimick, Jeffrey

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	0	20	Klub 2016		
B. flavistriga species complex	L	III	3	"		
Belostoma flumineum	A	1	1	Hils 1984a		
Cheumatopsyche	L	1	1	MerrCummB 2019		
Diplectrona modesta	L	1	1	Hils 1985		
Hydropsyche	L	1	1	"	mm	N
H. betteni	L	II	7	Schm Hils 1986		
Lype diversa	L	1	1	MerrCummB 2019		
Onconeurus JD	L	X	15	"	mm	N
O. flavidus L 2223 A, 1	L,A	IIII	24	Hils Schm 1992		
Neoplasta	L	1	1	MerrCummB 2019		
Simulium jenningsi species group	L	III	3	Adler et al 2004	mm	
S. tuberosum species complex	L	II	2	"	cyto	
Dicranota	L	1	1	MerrCummB 2019		
Limonia	L	1	1	"		
Tipula	L	III	3	"		
Tvetenia	P	1	1	"		N
Gammarus pseudolimnaeus	A	01	21	Hols 1972		
Caecidotea intermedia	A	8III	44	Will 1972		
Sphaeriidae	A	1	1	Pluchino 1984		
Dugesiidae	A	IIII	4	ThorpRog 2016		
Megadrili = Metastynophora	A	III	3	"		
~~Split A2 Chironomidae~~	~~L~~	~~IIIJWP~~				
JW ~~Split A3 worm Ep~~ Tubificinae (without hairs)	A	1	1	Brinkhurst 1991		
Diamesa	L	1	1	SaetherAnd 2013		
Brillia	L	II	2	And ~~et al~~ 2013	mm	
Eukiefferiella claripennis group	L	IIII	4	"		
Parametriocnemus	L	III	3	"		
Tvetenia bavarica group	L	I	6	Bode 1983		
Rheotanytarsus	L	1	1	And et al 2013		
Stictochironomus	L	1	1	"		
Cricotopus	L	1	1	"		
Polypedilum (Uresipedilum) aviceps	L	III	3	Bolton 2012		