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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)**
UNT to Lk Michigan (Coal Creek)		20190930-05-04

Sampling Location	**Database Key**
20 m DS Crossing	218829971

SWIMS Station ID	**SWIMS Station Name**
10053241	UNT TO LAKE MICHIGAN

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.5466821	-88.0201986	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
		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

- [ ] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [X] 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**
6	10	1	1 / 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)**
18.3	8.2	88.7	7.8	.438	

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] 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)**
	1.5	15

Composition of Substrate Sampled (Percent):

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

Sand: 30 Clay: _____ Silt/Muck: 30 Overhanging Vegetation: 20

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

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 10

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Eric Noos	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
7/14/2020	Subsample archived in ABL cntrl Sept 2023	

E3
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Wisconsin Department of Natural Resources ody: **Unnamed Tributary to Lake Michigan (Coal Creek)**
ABL SampleNum: **20190930-05-04** SWIMS Database Key: **218829971**
Taxonomist: Dimick, Jeffrey

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
coenagrionidae (Coenagrionidae/Enallag	L	-	5	MerCumm B 2019	imm	
Corixidae	A	"	2	"	imm	N
Decetis	L	I	1	"	imm	
Trichocorixa sexcincta	A	-III	8	Hils 1984a		
Neoplea striola	A	~~BBB~~	150	"		
Haliplus	L	I	1	MerCumm B 2019		N
H. borealis	A	I	1	HilsBorg 1978		
H. immaculicollis	A	"	2	"		
Crangonyx	A	"	2	Thorp Rog 2016	fem	
Gammarus pseudolimnaeus	A	-IIII	9	Hols 1972		
Hyalella azteca	A	~~BXX~~	55	Sovcek et al 2015		
Caecidotea communis	A	-IIII	9	Will 1972		
Daphnidae	A	I	1	Thorp Rog 2016		
Nitzschiidae	A	I	1	"		
Gyraulus deflectus	A	"	2	"		
~~Split A2a Chironomidae~~	L	~~BX~~ JD				
~~Split A2b Chironomidae~~	L	~~X~~ + JD				
Tanypus stellatus	L	I	1	Bolton 2012		
Cricotopus (Cricotopus) bicinctus group	L	I	1	And et al 2013		
C. (Isocladius) reversus group	L	I	1	"		
Thienemanniella	L	I	1	"	imm	
Chironomidae 08330000	L	X	10	"	imm	N
Endochironomus nigricans	L	IIII	4	Bolton 2012		
E. subtendens	L	OIII	23	"		
Glyptotendipes	L	OII	22	And et al 2013		
Parachironomus arcuatus group	L	IIII	4	"		