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)**
COOPMAN CREEK	449000	20181009-43-01

Sampling Location	**Database Key**
50 m us	168363516

SWIMS Station ID	**SWIMS Station Name**
433304	COOPMAN CREEK AT KONITZER RD

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

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	LOWER OCONTO RIVER	OCONTO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST DISTRICT NC STREAM STRATIFIED SITES 2018

Sampling Device

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

Habitat Sampled

- [X] Riffle
- [X] 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**
3	3	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
13.83	8.78	86.1	7.71	551	48

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**
	0.25	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 30

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

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 50

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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	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	U
Sedimentation	U	U
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	U
Dissolved Oxygen	N	U
Nutrients (P, N...)	U	U
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	U
Point Source - Specify:	N	N
Pasturing of Livestock	PL	PL
Runoff: - Barnyard	U	U
- Construction	N	U
- Cropland	N	U
- Urban	N	N
Septic Systems	N	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
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
Kaylo Wilcox	Dimick, Jeffrey	
Date Processed	**Specimens Saved**	
9/25/19	Subsample archived in ABL until Oct 2022	

D2=

Wisconsin Department of Natural Resources
ABL SampleNum: **20181009-43-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Coopman Creek**
SWIMS Database Key: **168363516**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	-11	7	Hitch 1979		
Baetis brunneicolor	L	1	1	Klub 2016		
B flavistriga species complex	L	1	1	"		
Ephemerella subvaria	L	8-1	36	"		
Leucrocuta	L	x111	13	"		
Maccaffertium vicarium	L	-1	6	"		
Paraleptophlebia	L	111	3	"	imm	
Micrasema gelidum	L	11	2	Hils 1995		
Cheumatopsyche	L	0111	23	Hils 1995		
Ceratopsyche slossonae	L	-111	8	Schm Hils 1986		
Oecetis avara	L	11	2	Floyd 1995		
Dolophilodes distinctus	L	-11	7	Hils 1995		
Micrasema sericornis	L	1	1	Neunzig 1966		
Optioservus	L	x-11	17	Hils Schm 1992	imm	N
O. fastiditus L, 13 A, 2	L/A	x-	15	"		
Simulium tuberosum species complex	L	1	1	Adler et al 2004		
Chrysops	L	1	1	Hils 1995		
Dicranota	L	111	3	"		
Tipula	L	1	1	"		
Sperchon	A	1	1	Pluch 1984		
Megadrili = Metagynophora	A	1	1	Thorp Rog 2016		
Physa	A	-1	6	"		
Pisidium	A	1	1	Mackie 2007		
~~Split As Chironomidae~~	~~L~~	~~TWD~~				
Conchapelopia 08270700	L	1	1	Cran Epl 2013		
Nilotanypus	L	1	1	"		
Nanocladius (Plecopteracoluthus)	L	11	2	And + 3 2013	imm	
Chironominae 08330000	L	11	2	Cranston 2013		
Cladotanytarsus	L	11	2	Epl et al 2013		
Paratanytarsus longistilus	L	1	1	"		
Stictochironomus	L	1	1	"		
Tanytarsus	L	111	3	"		