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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)**
COMET CREEK	285600	20161004-37-03

Sampling Location	**Database Key**
1m DS bridge/culvert	133642240

SWIMS Station ID	**SWIMS Station Name**
10008431	COMET CREEK STH 153 SITE 2

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.78378	-89.258286	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
WOLF RIVER	UPPER LITTLE WOLF RIVER	MARATHON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Raleigh, Mycal	WEST DISTRICT NC STREAM STRATIFIED SITES 2016

Sampling Device

- [X] 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.** 1 of 1
		1	

Reason For Sampling

- [ ] 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)**
5.4					

Water Color

- [ ] Clear
- [ ] Turbid
- [X] 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	3.5m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): _____

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

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

Embeddedness of Substrate at Sample Site (%) 0 **Canopy Cover at Sample Site (%)** 5%

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

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, 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

Boulders / rubble covered in thick moss.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Andi K.	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
4/11/17	Subsample archived in ABL until Oct. 2020	

L2-287

Wisconsin Department of Natural Resources
ABL SampleNum: **20161004-37-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Comet Creek**
SWIMS Database Key: **133642240**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	I	1	Hitchcock 1974		
Nemoura trispinosa	L	I	1	Hilsenhoff 1995		
Isoperla transmarina	L	-I	6	Hilsenhoff 1982		
Baetis brunneicolor	L	II	2	Kluber-Jantz 2016		
Ephemerella subvaria	L	II	2	"		
Maccaffertium vicarium	L	I	1	"		
Cheumatopsyche	L	𝍸-III	38	Hilsenhoff 1995		
Hydropsyche	L	-IIII	9	"	imm	N
H. betteni	L	X-II	17	Schm., Wils. 1986		
Ceratopsyche slossonae	L	-IIII	9	"		
Lepidostoma	L	I	1	Hilsenhoff 1995		
Chimarra aterrima	L	IIII	4	Hilsenhoff 1982		
Optioservus	L	-	5	Wis., Schm. 1992		
Simulium venustum species complex	L	II	2	Adler et al 2004		
Antocha	L	I	1	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	-II	7	Nolsinger 1972		
Tricladida	A	I	1	Kojasa 1991		
~~Naididae~~ Naidinae	A	-II	7	Brin., Geld. 1991		
Pisidium	A	I	1	Burch 1972		
~~Split #3 Chironomidae~~	L	IIII+JJJ				
Conchapelopia	L	III	3	Coon, Epler 2013		
Meropelopia	L	I	1	"		
Orthocladiinae 08300000	L	-II	7	Cranston 2013	imm	N
Brillia	L	II	2	Ander. +3 2013	imm	
Parametriocnemus	L	X-	15	"		
Rheocricotopus	L	I	1	"	imm	
Tvetenia bavarica group	L	III	3	Bode 1983		
Nanocladius	L	II	2	Ander. +3 2013	imm	
Chironominae	L	III	3	Cranston 2013	mt. ~~midge~~ imm	N
Micropsectra	L	I	1	Epler et al 2013		
Paratanytarsus longistilus	L	B-	45	"		
Polypedilum (Uresipedilum) aviceps	L	8𝍸-	115	Bolton 2012		
Rheotanytarsus	L	XIII	13	Epler et al 2013		
Tanytarsus	L	-	5	"		