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)**
YELLOW RIVER	2154500	20191107-09-FD1

Sampling Location	**Database Key**
Under bridge	212996106 JP

SWIMS Station ID	**SWIMS Station Name**
093095	YELLOW RIVER AT CTH XX

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

Basin (WMU)	**Watershed Name**	**County**
LOWER CHIPPEWA	LOWER YELLOW (CHIPPEWA CO.) RIVER	CHIPPEWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MYCAL RALEIGH	LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019

Sampling Device

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

Habitat Sampled

- [ ] 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** ___
4	3	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**

Water Color

- [ ] Clear
- [ ] Turbid
- [x] 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)**
	0.3	23

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10

Sand: 10 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 (%)** 0

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

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

Comments Air temp 22° F. Ice along river edges.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Coash, Natalie	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
1/27/20	Subsample archived in NBC until Apr 2023	

A1 - 57
B3 - 75
E2 -
7 (132)

Wisconsin Department of Natural Resources
ABL SampleNum: **20191107-09-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Yellow River**
SWIMS Database Key: **212996106**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	II	2	Klub Zolle		
Eurylophella	L	III	3	"		
Heptageniidae	L	I	1	"	imm	N
Leucrocuta	L	-III	8	"		
Maccaffertium	L	XIIII	15	"	imm	Y
M. mediopunctatum	L	II	2	"		
M. vicarium	L	II	2	"		
Stenacron	L	XII	12	"	imm	N
S. interpunctatum	L	III	3	"		
Leptophlebia	L	-II	7	"	imm	
Paraleptophlebia	L	-I	6	"	imm	
Isonychia	L	-I	6	"	imm	
Gomphidae	L	I	1	Need et al 2014	imm	N
Ophiogomphus	L	I	1	"	imm	
Allocapnia	L	-III	8	Wils 1995		
Perlidae	L	II	2	"	imm	N
Acroneuria	L	I	1	"		
Taeniopterygidae	L	I	1	Wils 1995	imm	Y
Taeniopteryx	L	I	1	"	imm	
Ceratopsyche	L	I	1	"	imm	
Cheumatopsyche	L	-I	6	"		
Optioservus trivittatus L.4 A.1	L,A	-	5	Wilsshm 1992		
Stenelmis	L	IIII	4	"		
Bezzia/Palpomyia	L	I	1	Wils 1995		
Hemerodromia	L	III	3	Court Mer 2008		
Ectemnia taeniatifrons	L	I	1	Adl et al 2004		
Caecidotea	A	I	1	Will 1972	imm	
Lebertia	A	I	1	Pwchmp 1984		
Sperchon	A	I	1	"		
Laevapex fuscus	A	II	2	Thorp Rog 2016		
Enchytraeidae	A	I	1	"		
Tubificinae (without hairs)	A	III	3	Klemm 1985		
Ablabesmyia (Ablabesmyia)	L	II	2	Coon Epl 2013	imm	
Thienemanniella group	L	I	1	"	imm	
Brillia	L	I	1	And + 3 2013	imm	
Tvetenia discoloripes group	L	III	3	Bode 1983		
Dicrotendipes	L	I	1	Epl et al 2013		

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Microtendipes pedellus group	L	I	1	Epl et al 2013		
Polypedilum (Uresipedilum) flavum	L	/	5	Bolton 2012		
Rheotanytarsus	L	II	2	Epl et al 2013		
Stempellinella	L	II	2	"		
Stictochironomus	L	IIII	4	"		
Tanytarsus	L	III	3	"		