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)**
CHAFFEE CREEK	155900	20191009-39-03

Sampling Location: @ foot access

Database Key: 209690579

SWIMS Station ID	**SWIMS Station Name**
10010715	CHAFFEE CREEK - INTERSTATE 39 IBI STATION3

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

Basin (WMU)	**Watershed Name**	**County**
UPPER FOX	MECAN RIVER	MARQUETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	EAST DISTRICT NC STREAM STRATIFIED SITES 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** ____
3	1,5	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)**
12,25	10,9	103,7	8,12	287,5	120

Water Color

- [X] Clear
- [ ] 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)**
	0,3	2,5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 50

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

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

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

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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	N	N
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	PL	PL
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	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	N	N
Tributary(s)	N	N
Wetland	N	N
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Eric Maas	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 8/5/2020	Specimens Saved: Subsample archived in ABL until Oct 2023	

E3
191

Wisconsin Department of Natural Resources
ABL SampleNum: **20191009-39-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Chaffee Creek**
SWIMS Database Key: **209690579**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis tricaudatus	L	x1	11	Klub 2016		
Ephemerella	L	III	3	MerrCummB 2019	rmm	
Brachycentrus americanus	L	8III	43	Wils 1985		
Ceratopsyche slossonae	L	-IIII	10	SchmWils 1986		
Cheumatopsyche	L	-I	6	MerrCummB 2019		
Optioservus	L	-IIII	9	"	rmm	N
O. fastidiosus L, 7 A, 1	L,A	-III	8	Wils Schm 1992		
Simulium tuberosum species complex	L	II	3	Adl et al 2004	cyto.	
S. vittatum species complex OB110218	L	I	1	"	cyto	
Antocha	L	x1	11	MerrCummB 2019		
Eukiefferiella	P	I	1	"		N
Gammarus pseudolimnaeus	A	8x11	57	Wils 1972		
Sphaeriidae	A	II	2	Beck et al 1990		
~~Split A2 Chironomidae~~	L	of JJO				
Diamesa	L	IIII	4	And et al 2013		
Eukiefferiella devonica group	L	IIII	5	"		
cladotanytarsus	L	IIII	5	"		
Thienemanniomyia group	L	I	1	"	rmm	
Eukiefferiella	L	II	2	"	mt indet dam	n=1,Y
E. claripennis	L	IIII	4	"		
Orthocladius (Euorthocladius)	L	I	1	"	rmm	
O. (Orthocladius)	L	I	1	"		
Parachaetocladius	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	-I	6	Bolton 2012		
Rheotanytarsus	L	I	1	And et al 2013		

3 taxa, TVAL ≤ 20
55 > (0.1 x 190)