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)**
FLOOD CREEK	2941700	20191009-26-06

Sampling Location: 2m DS of River Rd

Database Key: 209649640

SWIMS Station ID	**SWIMS Station Name**
10043214	FLOOD CREEK AT N. RIVER RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
46.50344	-90.27699	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LAKE SUPERIOR	MONTREAL RIVER	IRON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JOSEPH CUNNINGHAM	MONTREAL RIVER TWA 2017-2018-2019

Sampling Device

- [X] D-Frame 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	1	3	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)**
11.3	6.2	56.6	6.9	135	>120.

Water Color

- [X] Clear
- [ ] Turbid
- [ ] 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)**
0.25	0.2	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20

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 (%)** 80

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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	PL	PL
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	PL	PL
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization: - Upstream	N	PL
- Downstream	PL	PL
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	PL
- Downstream	N	N
Low Flow	PL	PL
Sedimentation	N	N
Sludge	N	N
Thermal	N	N
Turbidity	PL	PL
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	PL	PL
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	PL
- 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	PL
Wetland	PL	PL
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kiersten Czarnecki	Dimick, Jeffrey	790
Date Processed	**Specimens Saved**	
2/27/2020	Subsample archived in ABL until Jul 2023	

E3: 125 specs 125.

Wisconsin Department of Natural Resources
ABL SampleNum: **20191009-26-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **Flood Creek**
SWIMS Database Key: **2096496402**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna	L	I	1	Klich 2016	dam	
Maccaffertium vicarium	L	I	1	"		
Stenacron	L	I	1	"	imm	
Leptophlebia	L	IIII	4	"	imm	
Paraleptophlebia	L	I	1	"	imm	
Allocapnia	L	I	1	Hrls 1995		
Paracapnia angulata	L	-	5	Hrlsh 1974		
Leuctra	L	I	1	Hrls 1995	dam	
Taeniopteryx	L	II	2	"	imm	
Ceratopsyche alhedra	L	I	1	Schm Hrls 1986		
Cheumatopsyche	L	I	1	Hrls 1995		
Hydropsyche betteni	L	-I	6	Schm Hrls 1986		
Limnephilus	L	II	2	Hrls 1995		
chimarra	L	-	5	"	imm	N
ch. aterrima	L	IIII	4	Hrls 1982		
Optioservus	L	OI	21	Hrls Schm 1992	imm	N
O. fastiditus L,5 A,5	LA	X	10	"		
Stenelmis	L	III	3	"		
Hemerodromia	L	I	1	MerrimanB 2019		
Prosimulium	L	I	1	Adler et al 2004	imm	
Simulium pilosum	L	I	1	"		
Caecidotea racovitzai racovitzai	A	⊗III	33	Will 1972		
Dugesiidae	A	I	1	ThorpRog 2016		
Leuctra	L	I	1	Klich 2016		
Naididae	A	I	1	Brinkhurst 1971		
~~Lumbriculidae~~ Lumbriculus	A	XIIII	14	ThorpRog 2016		
Megadrili = Metagynophora	A	II	2	"		
Lumbricus fuscus	A	I	1	"		
Pisidium	A	III	3	Mackie 2007		
~~Subfam Chironomidae~~	L	OIIIII				
Parametriocnemus	L	-II	7	And+3 2013		
Rheotanytarsus	L	III	3	Epl et al 2013		
Conchapelopia 08270700	L	II	2	Cran Epl 2013		
Meropelopia	L	IIII	4	"		
Natarsia baltimorea	L	I	1	Bolton 2012		
Thienemanniella group	L	II	2	Cran Epl 2013	mtrindet	N
Chironomini 08330000	L	I	1	Cranston 2013	imm	N

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ABL SampleNum: **20191009-26-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **Flood Creek**
SWIMS Database Key: **209649640**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Microspectra	L	III	3	Epl et al 2013		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus longistilus	L	IV	2	"		
Tanytarsus	L	I	1	"		