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)**
MAIN CREEK	2217100	MC-02 20170928-55-02

Sampling Location: @ Cloverland Road ≈ 70 m upstream

Database Key: 148126947

SWIMS Station ID	**SWIMS Station Name**
10012963	MAIN CREEK - (ATCLOVERLAND RD)

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
45.39488	-91.02692	SWIMS SWDV (GPS)	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
UPPER CHIPPEWA	MAIN CREEK	RUSK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JOSEPH CUNNINGHAM	NORTH DISTRICT NC STREAM STRATIFIED SITES 2017

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. ____ of ____**
1 min	1 m^2	3-20 second kicks	

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)**
15.6	10.1	101.8	7.9	148.0	>120

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)**
	0.5	10 m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50% Gravel (ladybug to tennisball): 25%

Sand: 20% Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 5% Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20% **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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton	U	U	Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland	U	U
Impoundment: - Upstream			- Urban		
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Jesse Dierks	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 9/12/18	Specimens Saved: Subsample archived in NRE until Aug 2021	

AZ 263 3.25hr

5 Heptagenid inmt

Wisconsin Department of Natural Resources
ABL SampleNum: **20170928-55-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Main Creek**
SWIMS Database Key: **148126947**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	IIII	4	Hilsenhoff 1974		
Neoperla	L	III	3	Wis 1995		
Isoperla signata	L	-I	6	Wis 1982		
Taeniopteryx	L	I	1	Wis 1995		
Caenis anceps	L	I	1	Kirby 2016		
C. latipennis	L	I	1	"		
Heptageniidae	L	II	2	"	dam	N
Leucrocuta	L	8×IIII	54	"		
Maccaffertium	L	9IIII	24	"		
M. mediopunctatum	L	-III	8	"		
M. modestum	L	x-II	17	"		
M. vicarium	L	-III	8	"		
Paraleptophlebia	L	-	5	"	dam/imm	
Isonychia	L	II	2	"	imm	
Argia	L	I	1	West May 1996	imm	
Glossosoma intermedium	L	I	1	Wym Mor 2000		
Cheumatopsyche	L	8 III	33	Wis 1995		
Ceratopsyche	L	-	5	"	imm	N
C. bronta	L	x-	15	Schm Wis 1986		
C. morosa morosa form	L	-	5	"		
Leucotrichia pictipes	L	III	3	Wis 1995		
Chimarra	L	I	1	"	imm	
Psychomyia flavida	L	III	3	"		
Optioservus	L	III	3	Wis Schm 1992	imm	N
O. ~~fastriatus~~ trivittatus L 27 A 2	L,A	0-IIII	29	"		
Stenelmis	L	-I	6	"		N
S. crenata	A	III	3	"		
S. mera	A	II	2	"		
Atherix variegata	L ~~A~~	I	1	Wis 1995		
Hemerodromia	L	I	1	Cord Merr 2016		
Simulium fibrinflatum	L	I	1	Adler et al 2004		
S. jenningsi species group	L	I	1	"	imm	N
Orthocladius (Orthocladius)	P	I	1	Coff et al 1986		
Synorthocladius	P	II	2	Ferr et al 2008		
Tubificinae (without hairs)	A	II	2	Klemm 1985		
Ferrissia	A	I	1	Thorp Rog 2016		
Lumbriculus fuscus	A	II	2	"		

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Pisidium	A	1	1	Burch 1972		
~~Subfam Chironominae~~	~~L~~	~~1 (1)~~				
Orthocladiinae 03300000 (Epkeff3)	L	1	1	Cranston 2013	not ided	Y
Orthocladius (Orthocladius)	L	1	1	Ander+3 2013		N
Cricotopus/Orthocladius	L	1	1	Ferr et al 2013	imm	N
Cricotopus	L	1	1	Ander+3 2013		Y
C. (Isocladius) absurdus	L	II	2	Bolton 2012		
Cladotanytarsus	L	1	1	Epler et al 2013		
Microtendipes pedellus group	L	11	6	"		
Polypedilum (Uresipedilum) flavum	L	III	4	Bolton 2012		
Rheotanytarsus	L	1	1	Epler et al 2013		