State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)
ISABELLE CREEK	2445000	20171106-48-02

Sampling Location	Database Key
DS bridge ~8m	153706358

SWIMS Station ID	SWIMS Station Name
483007	ISABELLE CREEK - R MILES 11.5 (410th Ave)

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	TRIMBELLE RIVER AND ISABELLE CREEK	PIERCE

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
MYCAL RALEIGH	WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRME

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	1.5	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Follow Up

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

Water Color

- [ ] Clear
- [X] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)
	~2	4m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

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 (%)** 15

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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	U
- Dow nstream	N	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Dow nstream	N	U
Low Flow	N	U
Sedimentation	N	U
Sludge	N	U
Thermal	U	U
Turbidity	PL	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	U
- Cropland	PH	PH
- Urban	N	U
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 Stream very slow US of riffle - ice formed on surface, Water Clarity poor from turbidity

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Brad Gaalaas	Taxonomist: Dimick, Ketra/	Estimated Percent of Sample Sorted: 13%
Date Processed: 1/31/2018	Specimens Saved: Subsample archived in ARL until Apr 2021	

SC 113
IC (150)

Wisconsin Department of Natural Resources
ABL SampleNum: **20171106-48-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Isabelle Creek**
SWIMS Database Key: **153706358**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	-II	7	Kucherbanz 2016		
Cheumatopsyche	L	8-1	46	Hilsenhoff 1995		
Hydropsyche betteni	L	x	10	Schm, Hils. 1986		
Optioservus	L	-1	6	Hils, Schm. 1992	imm	N
O. fastidiosus L, 4 A, 1	L,A	-	5	"		
Stenelmis	L	-II	7	"		N
S. crenata	A	III	3	"		
Dicranota	L	1	1	Hilsenhoff 1995		
Cyclopidae	A	1	1	Williamson 1991		
Naidinae	A	III	3	Brin., Geld. 1991		
Tubificoid Naididae w/o capilliform chaetae	A	IIII	4	Erseus et al 2008		
Glossiphonia complanata	A	1	1	Klemm 1985		
Physa	A	III	3	Rogers 2016		
~~Split A3 Chironomidae~~	L	III NSD				
Conchapelopia	L	xIIII	14	Coon, Ever 2013		
Thienemanniniyia group	L	1	1	"		
Eukiefferiella claripennis group	L	1	1	Ander+3 2013		
Parametriocnemus	L	IIII	4	"		
Tvetenia bavarica group	L	x	10	Bode 1983		
Nanocladius	L	-III	8	Ander+3 2013		
Orthocladius (Orthocladius)	L	-	5	"		
Micropsectra	L	III	3	Eyer et al 2013		
Microtendipes pedellus group	L	III	3	"		
Paratanytarsus sp. B	L	-	5	Hilsenhoff unpubl.		
P. longistilus	L	II	2	Eyer et al 2013		
Paratendipes	L	1	1	"		
Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		
P. (Uresipedilum)	L	1	1	"	not indet	N
P. (U.) aviceps	L	1	1	"		
P. (U.) flavum	L	-IIII	9	"		
Rheotanytarsus	L	II	2	Eyer et al 2013		
Tanytarsus	L	II	2	"		