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	20171106-48-01

Sampling Location	**Database Key**
DS bridge ~5m	153706350

SWIMS Station ID	**SWIMS Station Name**
483010	ISABELLE CREEK - CTH C R MILES 14.3

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.**
1.5 min	2m²	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

- [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)**
	0.2	1.5m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60

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

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

Embeddedness of Substrate at Sample Site (%) 25 **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	U	U
- Filamentous Algae	PL	U
- Planktonic Algae	N	U
Iron Bacteria	N	U
Macrophytes	N	U
Slimes	U	U
Other - Specify:		
Physical		
Bank Erosion	PH	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	PH	U
Sludge	N	U
Thermal	U	U
Turbidity	N	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	PH	U
Point Source - Specify:		
Pasturing of Livestock	PH	U
Runoff: - Barnyard	PL	U
- Construction	N	U
- Cropland	PH	U
- 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 Heavy Cattle grazing on DS side. Crops surrounding US and DS.. Most of substrate is Sand. Follow-up site

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13
Date Processed: 01/31/18	Specimens Saved: 5% sample archived in ABL until Apr 2021	

DI = 46
CA = 79 125

Wisconsin Department of Natural Resources
ABL SampleNum: **20171106-48-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Isabelle Creek**
SWIMS Database Key: **153706350**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	1	1	Klubertanz 2016		
Cheumatopsyche	L	-11	7	Hilsenhoff 1995		
Hydropsyche betteni	L	11	2	Schm., Wilk. 1986		
Helichus striatus	A	1	1	Wilk., Schm. 1992		
Neoplasta	L	11	2	Coust. Merr. 2008		
Muscidae	L	1	1	"		
Simulium vittatum speciesComplex 08110217	L	1	1	Adler et al. 2004		
Gammarus pseudolimnaeus	A	X	10	Holsinger 1972		
Enchytraeidae	A	/	5	Brink, Cook 1991		
~~Naidid~~ Naidinae	A	1111	4	"		
Tubificoid Naididae w/o capilliform chaetae	A	11	2	Erseus et al 2008		
Physa	A	11	2	Rogers 2016		
~~Subf fam~~ Chironomidae	L	-100				
Conchapelopia	L	1	1	Coffman, Epler 2013		
Corynoneura	L	1	1	Anderson 2013		
Chaetocladius	L	1	1	"		
Thienemanniella	L	1111	4	"	dam/imm	N
Th. xena	L	X11	12	Bolton 2012		
Tvetenia bavarica group	L	111	3	Bode 1983		
Orthocladius (Orthocladius)	L	1	1	Anderson 2013		
Cricotopus/Orthocladius	L	1111	4	Ferr. et al 2008	imm	N
Cricotopus (Cricotopus) tremulus group	L	11	2	Anderson 2013		
Chironominae 08330000	L	11	2	Cranston 2013	ant indet	N
Cryptochironomus	L	1	1	Epler et al 2013		
Micropsectra	L	111	3	"		
Polypedilum (Tripodura) scalaenum group	L	11	2	Bolton 2012		
P. (Uresipedilum) flavum	L	8x-1	56	"		
Saetheria	L	111	3	Epler et al 2013		

<23 taxa, TVAL ≤ 2.0