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	20171106-48-03

Sampling Location	**Database Key**
US bridge ~25m	153706354

SWIMS Station ID	**SWIMS Station Name**
483006	ISABELLE CREEK - CTH V R MILES 10.5

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**	
.5min (30 sec)	$1m^2$	1	Replicate No. 1 of 1

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)**

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)**
	.2	4.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20

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

Aquatic Macrophytes: 20 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **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	PL	U
Slimes	U	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	PL	U
Sludge	U	U
Thermal	U	U
Turbidity	N	PL
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	PL
- Construction	N	U
- Cropland	N	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:	U	U

Comments Heavy amounts of Ranunculus and low to moderate amounts of filamentous algae. Stream much clearer than at 410th Ave and more velocity

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Cadie Olson	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 70%
Date Processed: 2/1/18	Specimens Saved: subsample archived in ABL until Apr 2021	

C3 127

Wisconsin Department of Natural Resources
ABL SampleNum: **20171106-48-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Isabelle Creek**
SWIMS Database Key: **153706354**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Kluber-Lanz 2016		
Cheumatopsyche	L	-	5	Hilsenhoff 1995		
Ceratopsyche slossonae	L	x1	11	Schm, Hils. 1986		
Optioservus fastiditus	L	II	2	Hils, Schm. 1992		
Stenelmis	L	I	1	"		
Simulium vittatum Species Complex 08110217	L	II	2	Adler et al 2004		
Tipula	L	I	1	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	00-11	67	Holsinger 1972		
Ophidonais serpentina	A	xIIII	14	Hilt, Klemm 1985		
Tubificoid Naididae w/o capilliform chaetae	A	I	1	Ersevs et al 2008		
~~Split A3 Chironomidae~~	~~L~~	~~+ JVP~~				
Diamesa	L	x1	11	Saath. Ander 2013		
Brillia flavifrons	L	I	1	Epler ~~2001~~ JVP 2001		
Eukiefferiella claripennis group	L	I	1	Ander. +3 2013		
Tvetenia bavarica group	L	-	5	Bode 1983		
Orthocladius (Orthocladius)	L	I	1	Ander. +3 2013		
Cricotopus (Cricotopus) bicinctus group	L	I	1	"		
C. (Isocladius) sylvestris group	L	0	20	"		
Paralauterborniella	L	I	1	Epler et al 2013		
Rheotanytarsus	L	I	1	"		

<3 taxa, TVAL ≤ 2.0