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)**
LADD CREEK	792400	20171019-65-02

Sampling Location	**Database Key**
	150685686

SWIMS Station ID	**SWIMS Station Name**
10039595	LADD CREEK AT SALT BOX RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.538868	-88.747086	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER ROCK	TURTLE CREEK	WALWORTH

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
RACHEL SABRE	TURTLE CREEK TWA 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** ___
1m	1m²	1	Replicate No. 1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.08	9.5	90.3	7.84	825.6	109

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] 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)**
	0.2m	5.1m

Composition of Substrate Sampled (Percent):

Bedrock:	Boulders (basketball or larger):	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 20
Sand: 10	Clay:	Silt/Muck: 20	Overhanging Vegetation: 10
Aquatic Macrophytes:	Leaf Snags: 10	Coarse Woody Debris:	Other (_____):

Embeddedness of Substrate at Sample Site (%) 20% **Canopy Cover at Sample Site (%)** 20%

Ladd Creek @ Salt Box Rd
Sample # 20171019-65-02
Station # 10039595
Rachel Sabre
1 of 1

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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			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		
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: Kaylawilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 27%
Date Processed: 4/25/18	Specimens Saved: subsample archived in NBL until Jul 2021	

A3= 27 B3 =42
E2= 44 A1=27 [140]

Wisconsin Department of Natural Resources
ABL SampleNum: **20171019-65-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Ladd Creek**
SWIMS Database Key: **150685686**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bonneicolor	L	II	2	Klebertanz 2016		
B. flavistriga species Complex	L	I	1	"		
Hydropsychidae	L	I	1	Hilsenhoff 1995	imm	N
Cheumatopsyche	L	I	1	"		
Diplectrona modesta	L	I	1	"		
Ceratopsyche slossonae	L	II	2	Schm. Hils. 1986		
Neophylax	L	I	1	Hilsenhoff 1995	imm	
Dubiraphia quadrinotata	A	I	1	Hils. Schm. 1992		
Optioservus	L	IIII	7	"	imm	N
O. fastiditus L, 2 A, 2	L,A	IIII	4	"		
Neoplasta	L	I	1	Court, Merr. 2008		
Simulium jenningsi species group	L	II	2	Adler et al 2004		
Diceratota	L	I	1	Hilsenhoff 1995		
Pilaria	L	I	1	"		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	88xIII	93	Holsinger 1972		
Sicara mathesoni	A	I	1	Hilsenhoff 1984a		
Tubificoid Naididae w/o hairs	A	II	2	Erseus et al 2008		
Physa	A	III	3	Brown 1991		
~~Subfam. Chironomidae~~	~~L~~	~~III~~				
Thienemanniella group	L	II	2	Coon, Epler 2013		
Chironomidae 08330000	L	I	1	Cranston 2013	imm	N
Paratendipes	L	II	2	Epler et al 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (Uresipedilum) aviceps	L	X	10	"		
Rheotanytarsus	L	III	3	Epler et al 2013		