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)**
OTTER CREEK	2125700	20160927-18-02

Sampling Location @ hwy 53 crossing, 15m DS bridge — **Database Key** 133642252

SWIMS Station ID	**SWIMS Station Name**
10008296	OTTER CREEK - STATION 5-USH 53

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.687363	-91.33769	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER CHIPPEWA	OTTER CREEK	EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First) Hazuga, Mark

Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2016

Sampling Device

- [X] Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [X] 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** ___
2 min	1.5 m^2	1	1 of 1

Reason For Sampling

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

Water Temp.	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
53°F					

Water Color

- [ ] Clear
- [X] Turbid
- [ ] 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)**
	.5m	4m

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (Rip Rap): 80 %

Embeddedness of Substrate at Sample Site (%) 50 % **Canopy Cover at Sample Site (%)** 20%

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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	
- Filamentous Algae	N	
- Planktonic Algae	N	
Iron Bacteria	N	
Macrophytes	N	
Slimes	N	
Other - Specify: Moss	U	
Physical		
Bank Erosion		
Channelization: - Upstream	N	
- Dow nstream		
Hydraulic Scour / Channel Incision	PL	PL
Impoundment: - Upstream	N	
- Dow nstream	N	
Low Flow	N	
Sedimentation	PH	PH
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	U	
Nutrients (P, N...)	PH	PH
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	PH
Point Source - Specify:	N	N
Pasturing of Livestock	N	PH
Runoff: - Barnyard	U	U
- Construction	N	
- Cropland	PH	PH
- Urban	N	
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kuhne, Alison	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
4-10-17	subsample archived in ABL until Oct 2020	

C2 → 56
B1 → 85 >141

Wisconsin Department of Natural Resources
ABL SampleNum: **20160927-18-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Otter Creek**
SWIMS Database Key: **133642252**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoperla	L	II	2	Hilsenhoff 1995	imm	N
I. transmarina	L	IIII	4	Hilsenhoff 1982		
Taeniopteryx	L	-I	6	Hilsenhoff 1995	imm	
Baetis brunneicolor	L	xI	11	Kluber-Lanz 2016		
Ephemerella	L	δIII	33	"	imm	N
E. excrucians	L	x-III	18	"		
Maccaffertium vicarium	L	I	1	"		
Brachycentrus americanus	L	xI	11	Hilsenhoff 1995		
B. occidentalis	L	-	5	"		
Hydropsyche betteni	L	II	2	Schm., Hils. 1986		
Ceratopsyche	L	I	1	Hilsenhoff 1995	dam	N
C. slossonae	L	OII	22	Schm., Hils. 1986		
C. sparna	L	I	1	"		
Dubiraphia quadrinotata	A	I	1	Hils., Schm. 1992		
Optioservus	L	x-	15	"	imm	N
O. fastiditus	L	III	3	"		
Atherix variegata	L	I	1	Hilsenhoff 1995		
Hemerodromia	L	I	1	Court., Merr. 2008		
Simulium fibrinflatum	L	I	1	Adler et al 2004		
Tipula	L	I	1	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	-III	8	Holsinger 1972		
Hygrobates	A	I	1	Pwchind 1984		
Lebertia	A	I	1	"		
Tubificinae w/o capilliform chaetae	A	I	1	Klemm 1985		
Physa	A	I	1	Rogers 2016		
Polypedilum (Uresipedilum) aviceps	L	I		Bolton 2012		
Rheotanytarsus	L	x		Epler et al 2013		