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	812600	20190924-54-01

Sampling Location: 40m downstream Klug Road

Database Key: 212665199

SWIMS Station ID	**SWIMS Station Name**
10012580	OTTER CREEK: KLUG RD.(8 FT WEST OF BRIDGE)

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.82142	-88.91576	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER ROCK	LOWER KOSHKONONG CREEK	ROCK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
AMRHEIN, JAMES	SCR LONG-TERM TREND WADEABLE REFERENCE STREAM

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** ____
1	1	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
16.7	7.35	76.1	7.81		

Water Color

- [ ] Clear
- [ ] Turbid
- [X] 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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 70

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

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

Embeddedness of Substrate at Sample Site (%) N/A **Canopy Cover at Sample Site (%)** 80

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)

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		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
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: Trevor Raatz	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 10.0%
Date Processed: 10/26/2020	Specimens Saved: Subsample archived in ABL until Dec 2023	

B2 Q3: 23
E3 Q3: 29 52
B2 Q1: 30 82
E3 Q2: 25 107

B2 Q2: 17 124
E3 Q1: 25 149
] - (149)

Wisconsin Department of Natural Resources
ABL SampleNum: **20190924-54-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Otter Creek**
SWIMS Database Key: **212665199**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	I	1	Kluth 2016		
Helicopsyche borealis	L	XII	12	Wils 1995		
Ceratopsyche bronta	L	I	1	SchmWils 1986		
Cheumatopsyche	L	XIIII	14	MerrGunnB 2019		
Hydropsyche betteni	L	-II	7	SchmWils 1986		
Macronychus glabratus	L	II	2	WilsSchm 1992		
Optioservus	L	OI	21	MerrGunnB 2019		N
O. fastiditus L, 52 A, 7	L,A	8x-IIII	59	WilsSchm 1992		
Stenelmis	L	OI	21	MerrGunnB 2019		N
S. crenata	A	-	5	WilsSchm 1992		
Nemerodromia	L	I	1	MerrGunnB 2019		
Gammarus pseudolimnaeus	A	II	2	Wils 1972		
Laevapex fuscus	A	II	2	ThorpRog 2016		
Naididae	A	I	1	KathBrin 1998		
Tubificinae (without hairs)	A	III	3	"		
Cladotanytarsus	L	I	1	Andeha 2013		
Micropsectra pedellus group	L	I	1	"		