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)**
BLACK CREEK	317100	20171009-45-01

Sampling Location: Black Creek 20 m DS French Rd

Database Key: 149418094

SWIMS Station ID	**SWIMS Station Name**
10040804	BLACK CREEK 175 M DS FRENCH ROAD

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

Basin (WMU)	**Watershed Name**	**County**
WOLF RIVER	SHIOC RIVER	OUTAGAMIE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST DISTRICT FOLLOW UP MONITORING FOR IMPAIRME

Sampling Device

- [x] D-Frame 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** ___
6	10	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Follow-up Monitoring

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
15.4	8.3	84.4	7.9	.821	82

Water Color

- [ ] Clear
- [x] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [x] 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)**
	0.2	4

Composition of Substrate Sampled (Percent):

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

Sand: 40 Clay: _____ Silt/Muck: 40 Overhanging Vegetation: 20

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

Embeddedness of Substrate at Sample Site (%) 100 **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	PL
- Planktonic Algae	U	U
Iron Bacteria	N	N
Macrophytes	U	U
Slimes	U	U
Other - Specify:		
Physical		
Bank Erosion	U	U
Channelization: - Upstream	PH	PH
- Dow nstream	PH	PH
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Dow nstream	N	N
Low Flow	U	U
Sedimentation	U	U
Sludge	N	N
Thermal	N	N
Turbidity	U	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...)	PH	PH
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	U	U
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	PH	PH
- Urban	N	N
Septic Systems	N	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	N	N
Tributary(s)	N	N
Wetland	N	N
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Justin Kowalski	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
11/16/17	Subsample archived in ABC until Mar 2025	

A2 A1
116 102

Wisconsin Department of Natural Resources
ABL SampleNum: **20171009-45-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Black Creek**
SWIMS Database Key: **149418094**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Klubertanz 2016		
Leptophlebia	L	I	1	"	imm	
Deshna interrupta	L	II	2	Need. et al 2000		
Calopteryx aequabilis	L	I	1	Wyst. May 1996		
Coenagrionidae	L	I	1	"	imm	N
Coenagrion resolutum	L	I	1	"		
Coenagrion/Enallagma	L	-III	8	Schm. unpubl.	imm	N
Cheumatopsyche	L	/	5	Hilsenhoff 1995		
Hydroptila	L	II	2	"		
Limnephilidae	L	II	2	"	imm	
Dubiraphia	L	/ II	7	Hilsenhoff, Schm. 1992		N
D. quadrinotata	A	II	2	"		
Lidessus affinis	A	X/	15	Hilsenhoff 1994		
Laccophilus proximus	A	I	1	Hilsenhoff 1992		
Neoporus superioris	A	I	1	Hilsenhoff 1995a		
Haliplus	L	III	4	Hilsenhoff 1995		N
H. immaculicollis	A	-II	7	Hilsenhoff, Berg. 1978		
Peltodytes edentulus	A	X II	12	"		
Paracymus subaeneus	A	I	1	Hilsenhoff 1995c		
Hydrochus pseudosquamifer	A	I	1	Hilsenhoff 1995b		
Ceratopogonidae	L	I	1	Hilsenhoff 1995	Dam	N
Culicoides	L	I	1	"		
Probezzia	L	I	1	"		
Ephydridae	L	~~IIII~~	6	Court, Mess 2008		N
Ephydridae	P	IIII	4	Mess, Webb 2008		
Simulium (S. vit. SC)	P	I	1	Adler et al 2004		
Culex	L	II	2	Hilsenhoff 1995		
Tipula	L	I	1	"		N
Tanypodinae 08270001 (Nilotanyp?)	P	I	1	Ferr. et al. 2008	Dam	N
Procladius (Holotanypus)	P	II	2	"		
Thienemanniella	P	I	1	"		N
Cricotopus (Cricotopus) n=2-5 C. bicinct G	P	III	3	Coffman et al 1986		N
Hyalella	A	~~XIII~~	15	Pennak 1978		
Cloeon dyx pseudogracilis complex	A	I	1	Holsinger 1972		
Caecidotea racovitzai racovitzai	A	-1	6	Williams 1972		
Corixidae	A	I	1	Hilsenhoff 1995	Dam	N
Sigara alternata	A	II	2	Hilsenhoff 1984a		

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Sicara bicoloripennis	A	II	2	Ahlenhoff 1984a		
Entomobryomorpha	A	III	3	Christ, Snider 2008		
JJD ~~Naididae~~ Naididae	A	I	1	Brin, Geld. 1991		
~~Tubificidae~~ Tubificid Naididae with capilliform ch	A	IIIII	24	Ersek et al 2008		
Tubificid Naididae w/ capilliform chaetae	A	X-IIII	19	"		
Helobdella stagnalis	A	II	2	Klemm 1985		
Megadrili	A	I	1	Brin, Geld. 1991		
Erpobdella punctata punctata	A	I	1	Klemm 1985		
Fossaria	A	-IIII	9	Brown 1991		
stagnicola	A	I	1	"		
Physa	A	88888-	306	Rogers 2016		
Gyraulus deflectus	A	I	1	Burch 1982		
Hydrobiidae NOT P. antipodarum	A	X II	12	Rogers 2016		
Pisidium	A	III	3	Burch 1972		
~~Split A3 chironomidae~~	~~L~~	~~+/- JJD~~				
Tanypodinae 08270000 (Zavrelimyia?)	L	I	1	Cranston 2013	dam	Y
Conchapelopia	L	-I	6	Cran, Epler 2013		
Psectrotanypus	L	I	1	"		
Procladius	L	II	2	"	imm	N
P. (Holotanypus)	L	II	2	"		N
Orthocladiinae 08300000	L	II	2	Cranston 2013	imm	N
Corynoneura	L	-	5	Ander. + 3 2013		
Diplocladius	L	I	1	"		
Limnophyes	L	I	1	"		
Thienemanniella	L	IIII	4	"	dam	N
Th. xena	L	III	3	Bolton 2012		
Nanocladius (Nanocladius)	L	I	1	Ander. + 3 2013	imm	
Cricotopus/Orthocladius	L	I	1	Ferr. et al. 2008	mt indet	N
Cricotopus (Cricotopus) bicinctus group	L	X-II	17	Ander. + 3 2013		
C. (Isocladius) sylvestris group	L	-III	8	"		
Chironominae 08330000	L	II	2	Cranston 2013	mt indet	N
Chironomus	L	O-III	28	Epler et al 2013		
Cladotanytarsus	L	I	1	"		
Cryptochironomus	L	-IIII	9	"		
Dicrotendipes	L	I	1	"		
Microspectra	L	X IIII	14	"		
Paratanytarsus	L	II	2	"	mt indet/ imm	N

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Paratanytarsus sp-A	L	-II	7	Hilsenhoff unpub		
P-sp-B	L	-I	6	"		
Parachironomus	L	III	4	Epler et al 2013		
Phaenopsectra punctipes group	L	I	1	Epler 2001	not ndet	
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P-(Uresipedilum) flavum	L	III	3	"		
Rheotanytarsus	L	-III	8	Epler et al 2013		
Stictochironomus	L	X-I	36	"		