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)**
BADFISH CREEK	799500	20181017-13-03

Sampling Location: 80 m downstream of Old Stage Rd

Database Key: 169813227

SWIMS Station ID	**SWIMS Station Name**
10016544	BADFISH CREEK AT OLD STAGE RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.85228	89.25684	SWIMS SWDV (GPS)	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER ROCK	BADFISH CREEK	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
AMRHEIN, JAMES	NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORINC

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** ____
5	2	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [X] 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)**
12.4	9.75	91.1	8.11	1079	

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)
- [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): 40 Gravel (ladybug to tennisball): 40

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

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

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 80

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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		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			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	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	100%
Date Processed	**Specimens Saved**	
6/17/19	6 + 13 + 7 + 7 + 10 + 4 + 12 + 11 + 6 + 7 + 9 + 6 + 8 + 5 + 5 = 116	
	C3 C1 E2 C2 E1 A3 A2 B2 D2 D1 D3 B3 B1 A1 E3 Total	

Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181017-13-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Badfish Creek**
SWIMS Database Key: **169813227**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Coenagrionidae	L	I	1	West May 1996	imm	
Cheumatopsyche	L	-III	7	Hils 1995		
Hydropsyche betteni	L	IIII	4	Schm Hils 1996		
Ceratopsyche	L	II	2	Hils 1995	dam/imm	N
C. bronta	L	-I	6	Schm Hils 1996		
C. morosa bifida form	L	I	1	"		
Stenelmis	L	-I	6	Hils Schm 1992		N
S. crenata	A	II	2	"		
Hemerodromia	L	II	2	Court Merr 2008		
Simulium vittatum species complex 08110207	L	-II	7	Ad Let al 2004		
S. fibrinflatum	L	I	1	"		
Simulium	P	I	1	"		N
Paratanytarsus	P	I	1	Ferr et al 2008		N
Gammarus pseudolimnaeus	A	xIII	13	Hols 1972		
Caecidotea intermedia	A	xIIII	14	Will 1972		
Mermithidae	A	I	1	Thorp Rg 2016		
Dugesiidae	A	I	1	"		
Laevapex fuscus	A	I	1	"		
Physa	A	II	2	"		
~~Split Az chironomidae~~	L	~~B-IIII~~ WD		Cran Epl 2013		
Conchapelopia 08220700	L	I	1	~~Epl et al 2013~~ WD		
Orthocladius (Orthocladius)	L	II	2	And +3 2013		
Cladotanytarsus	L	-III	8	Epl et al 2013		
Paratanytarsus sp-A WD	L	III	3	Hils unpubl		
Polypedilum (Uresipedilum) ~~aviceps~~ flavum	L	0-IIII	29	Bolton 2012		
Rheotanytarsus	L	-I	6	Epl et al 2013		

<3 taxa, TVAL ≤ 2.0