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)**
Wolf River	241300	20160921-59-04

Sampling Location	**Database Key**
Below Balsom Row Dam	133634129

SWIMS Station ID	**SWIMS Station Name**
10047123	WOLF RIVER 75 METERS DS BALSOM ROW DAM

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

Basin (WMU)	**Watershed Name**	**County**
Wolf River		Shawano

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	BALSOM ROW DAM COMPREHENSIVE FISH PASSAGE ASSES

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [x] 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 min	7	1	1 / 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] 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)**
17.5	8.1	85.0	7.9	310	98

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [x] 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)**
—	0.3 meters	55 meters

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 5

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (Algae): 5

Embeddedness of Substrate at Sample Site (%) 30% **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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	N	U	Dissolved Oxygen	N	N
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	U	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	U	PL
Physical			Point Source - Specify: WWTF	U	PL
Bank Erosion	N	U	Pasturing of Livestock	U	U
Channelization: - Upstream	N	N	Runoff: - Barnyard	U	U
- Dow nstream	N	N	- Construction	U	PL
Hydraulic Scour / Channel Incision	N	N	- Cropland	U	PL
Impoundment: - Upstream	PL	PL	- Urban	U	U
- Dow nstream	PL	PL	Septic Systems	PL	PL
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	N	N	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	N	N	Tributary(s)	U	U
Turbidity	N	N	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory
Extended Zygoptera exam - Calopteryx aequabilis (n=1); Hetaerina americana (n=3)

For Lab Use Only		
Sample Sorter: Cadie Olson	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 10/12/16	Specimens Saved: Subsample archived in ABL until Jan 2020	

B2: 128 + 4 = 132