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)**
WALKER CREEK	520700	20180927-38-01

Sampling Location: 100 m DS 33rd Rd in shallow Rocky Run

Database Key: 168363528

SWIMS Station ID	**SWIMS Station Name**
383168	WALKER CREEK - 33RD ROAD

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

Basin (WMU)	**Watershed Name**	**County**
GREEN BAY	LITTLE PESHTIGO RIVER	MARINETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	EAST DISTRICT NC STREAM STRATIFIED SITES 2018

Sampling Device

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

Habitat Sampled

- [x] 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** ___
3	2	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Natural Comm / Strat Random

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
9.3	10.79	94	7.97	.385	>122

Water Color

- [x] Clear
- [ ] Turbid
- [ ] 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)**
	.3	3

Composition of Substrate Sampled (Percent):

Bedrock: ___ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): ___

Sand: 40 Clay: ___ Silt/Muck: ___ Overhanging Vegetation: ___

Aquatic Macrophytes: ___ Leaf Snags: 10 Coarse Woody Debris: 30 Other (___): ___

Embeddedness of Substrate at Sample Site (%) 30 **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
Biological		
Algae: - Diatoms / Periphyton	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	N
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	PL	PL
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
7/19/19	125	

EI = 52
D2 = 73

Subsample archived in ABL until Oct 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20180927-38-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Walker Creek**
SWIMS Database Key: **168363528**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paracapnia angulata	L	IIII	4	Hitch 1974		
Amphinemura linda	L	I	1	"		
Isoperla	L	II	2	Wis 1995	imm	
Taeniopteryx	L	II	2	"	imm	
Baetis brunneicolor	L	-I	6	Kirk 2016		
Hydropsychidae	L	I	1	Wis 1995		
Diplectrona modesta	L	-	5	"		
Dolophilodes distinctus	L	-I	6	"		
Lype diversa	L	I	1	"		
Rhyacophila brunnea	L	I	1	Am Mar 2000		
Optioservus fastiditus	L	III	3	Wis Schm 1992		
Simulium tuberosum species complex	L	-	5	Adler et al 2004		
Antocha	L	III	3	Wis 1995		
Dicranota	L	IIII	4	"		
Tipula	L	II	2	"		
Dixa	L	I	1	"		
Tvetenia	P	I	1	Ferr et al 2008		N
Micropsectra	P	I	1	"		
Gammarus pseudolimnaeus	A	8ON	62	Wis 1972		
Erchytraeidae	A	I	1	Thorp Rog 2016		
Megadrili=Metagynophora	A	IIII	4	"		
Physa	A	II	2	"		
Pisidium	A	III	3	Mackie 2007		
Orthocladius (Orthocladius)	L	II	2	Andt 3 2013		
Parachaetocladius	L	I	1	"		
Tvetenia bavarica group	L	I	1	Bode 1983		
Micropsectra	L	I	1	Epl et al 2013		N
Paratanytarsus longistilus	L	II	2	"		
Rheotanytarsus	L	-I	6	"		