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)**
CEDAR SPRING CREEK	245000	20181002-70-01

Sampling Location	**Database Key**
	168360354

SWIMS Station ID	**SWIMS Station Name**
10030585	CEDAR SPRINGS CREEK - COUNTY HIGHWAY Q

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.086742	-89.07207	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
WOLF RIVER	PINE AND WILLOW RIVERS	WAUSHARA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	NER 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** ____
2	1.5	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)**
10.6	8.9	81.8	7.7	340.2	120

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)**
	0.15	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40

Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 0

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	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	PL	PL
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	N	N
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...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	N	N
Tributary(s)	N	PL
Wetland	PL	PL
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Logan Cutler	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 10/10/19	Specimens Saved: 393 subsample archived in ABL until Jan 2022	

AZ

Wisconsin Department of Natural Resources
ABL SampleNum: **20181002-70-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Cedar Spring Creek**
SWIMS Database Key: **168360354**

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	Baetis brunneicolor	L	x|||	13	Klub 2016		
1/20	B. tricaudatus	L	0	20	"		
	B. flavistriga species complex	L	1	1	"		
	Ephemerella	L	||	2	"	dam	N
2/58	E. sibvarva	L	♂-|||	38	"		
	Baetidae	L	||	2	"	imm	N
3/59	Brachycentrus occidentalis	L	1	1	Hils 1985		
4/60	Micrasema gelidum	L	01	21	"		
5/8	Glossosoma intermedium	L	1	1	WymMac 2000		
	Hydropsychidae	L	/	5	Hils 1995	imm	N
	ceratopsyche	L	||	2	"	imm	N
	C. slossonae	L	♂	25	Schm Hils 1986		
	Hydropsyche	L	||	2	Hils 1995	imm	N
	H. betteni	L	x||	12	Schm Hils 1986		
	Cheumatopsyche	L	0-1	26	Hils 1995		
6/85	Lepidostoma	L	||||	4	"		
	Optioservus	L	8x-||	57	Hils Schm 1992	imm	N
	O. fastiditus L, 36 A, 2	L,A	♂-|||	38	"		
	Hemerodromia	L	|||	3	CourtMer 2008		
	Neoplasta	L	/	1	"		
	Simulium	L	/	1	Adler et al 2004	imm	N
	S. tuberosum species complex	L	x||	12	"		
	S. vittatum species complex 08110218	L	/||||	10	"		
	Simulium (Stub. n=5 Smith n=3)	P	-|||	8	"		N
	Antocha	L	||||	4	Hils 1995		
	Dicranota	L	/	1	"		
	Tvetenia	P	|||	3	Ferr et al 2008		N
	Gammarus pseudolimnaeus	A	♂/	35	Hols 1972		
	Hygrobates	A	||||	4	Pluchino 1984		
	Lebertia	A	/	1	"		
	Limnesia	A	/	5	"		
	Sperchonidae	A	||	2	"	dam	N
	Sperchon	A	x|||	13	"		
	Sperchonopsis	A	||||	4	"		
	Dugesiidae	A	x/	15	Thorp Ros 2016		
	Naidinae	A	||	2	Brinkhurst 1971		
	Tubificinae (without hairs)	A	||	2	Klemm 1985		
	Pisidium	A	/	1	Mackie 2007		

>3 taxa, TVAL≤2.0

85 > (0.1 x 357)

Wisconsin Department of Natural Resources
ABL SampleNum: **20181002-70-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Cedar Spring Creek**
SWIMS Database Key: **168360354**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
~~Split A3 Chironomidae~~	~~L~~	~~JJD~~				
Conchapelopia 08270700	L	II	2	CranEpl 2013		
Thienemannimyia group	L	-I	6	"	imm	N
Orthocladius (Orthocladius)	L	I	1	And+3 2013		
Thienemanniella xena	L	II	2	Bolton 2012		
Tvetenia bavarica group	L	0	20	Bode 1983		
Chironominae 08330000	L	III	3	Cranston 2013	dam/imm	N
Paradanytarsus longistilus	L	I	1	Epl et al 2013		
Polypedilum (Uresipedilum) aviceps	L	I	1	Bolton 2012		
Rheotanytarsus	L	-III	8	Epl et al 2013		