State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Bear Creek	1398700	20211006-50-03

Sampling Location: Bear Creek @ Bear Creek Rd

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10034745	Bear Creek @ Bear Creek Rd	2906097706

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
44.50604	89.66773	(SWIMS) SWDV GPS	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
Central Wisconsin	Mill Creek 0707000302	Portage

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Provost, S.; Hutchenson, C. S.	Mill Creek TWA

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [x] Run
- [ ] Pool
- [ ] Other
- [x] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [x] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m²)**	**Number of Samples in Composite**	**Replicate No.**
6	1.5	1	1 of 1

Reason for Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
16.6°C	3.8	38.5	6.96	150.3	

Water Color

- [ ] Clear
- [ ] Turbid
- [x] 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: mps **or** cfs)	**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): 5	Gravel (ladybug to tennisball.): 10
Sand: 25	Clay:	Silt/Muck: 10	Overhanging Vegetation: 10
Aquatic Macrophytes: 15	Leaf Snags: 5	Course Woody Debris: 10	Other (_____):

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

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	U
- Filamentous Algae	PL	U
- Planktonic Algae	N	U
Iron Bacteria	N	U
Macrophytes	PH	PL
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	PL	U
Channelization - Upstream	N	U
- Downstream	N	U
Hydraulic Scour / Channel Incision	PL	U
Impoundment: - Upstream	N	U
- Downstream	N	U
Low Flow	N	U
Sedimentation	PL	U
Sludge	N	U
Thermal	N	U
Turbidity	N	U
Other - Specify:		

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

Comments:

Special Instructions for Laboratory:

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kloepping, Trent	Dimick, Jeffrey	39.1%
Date Processed	**Specimens Saved**	
5/5/2022	Subsample 130 archived in AB Limbo 1 Jul 2025	

A1 Q3 7 Q1 3 Q4 Q2 >5+1
D4 Q4 4 Q3 2 Q1 Q2 >7
B4 Q1 >10 Q2 Q3 Q4 >24
D3 28
A3 25
D2 Q2 3 Q1 1 Q4 2 Q3 1
B2 Q2 7 Q3 Q1 Q4 130
C3
C4
B3

Wisconsin Department of Natural Resources
ABL SampleNum: **20211006-50-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Bear Creek**
SWIMS Database Key: **290609706**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Corduliidae	L	I	1	Tennessen 2019	damm	
Limnephilidae	L	I	1	MCB 2019	immm	Y
Nemotaulius hostilis	L	III	3	Hilsenhoff 1995		
Hydroptila	L	I	1	Wiggins 1977		
Haliplus	L	III	3	MCB 2019		
Anopheles	L	I	1	"		
Coenagrionidae	A	I	1	Thorp Rog 2016	immm	
Hyalella azteca	A	-I	6	Soucek et al 2015		
Gastropoda	A	I	1	Thorp Rog 2016	immm	
Enchytraeidae	A	I	1	"		
Naidinae	A	Bx	50	Kath Brum 1998		
Tubificinae (with hairs)	A	"	2	"		Y
Tubificinae (without hairs)	A	/	5	"		Y
Cyclopidae	A	I	1	Thorp Rog 2016		
~~Split A2a Chironomidae~~	~~L~~	~~Bx JJ~~				
~~Split A2b Chironomidae~~	~~L~~	~~Bx JJ~~				
~~Split A2c Chironomidae~~	~~L~~	~~-I JJ~~				
Corynoneura	L	II	2	And et al 2013		
Ablabesmyia (Ablabesmyia)	L	-I	6	"	imm	
Procladius (Psilotanypus) bellus	L	I	1	Epler 2001		
Psectrotanypus	L	I	1	And et al 2013		
Zavrelimyia	L	I	1	"		
Orthocladiinae	L	I	1	"	imm	N
Cricotopus (Cricotopus) bicinctus group	L	II	2	"		
C. (Isocladius) sylvestris group	L	-II	7	"		
Parametriocnemus	L	II	2	"		
Thienemanniella xena	L	I	1	Bolton 2012		
Chironomini	L	-II	7	And et al 2013	antennae imm	N
Chironomus	L	-IIII	9	"		
Cladotanytarsus	L	I	1	"		
Dicrotendipes	L	-	5	"		
Endochironomus nigricans	L	I	1	Bolton 2012		
Micropsectra pedellus group	L	I	1	And et al 2013		
Cladopelma	L	II	2	"		
Parachironomus arcuatus group	L	-I	6	"		
Paratanytarsus species A	L	O-IIII	29	Hils unpubl		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Phaenopsectra obediens ~~group~~ ~~Types~~	L	1	1	~~Epler 2001~~ Beller 2012		
Polypedilum	L	11	2	And et al 2013	dam/imm	N
P. (Polypedilum) illinoense group	L	x11	12	Bolton 2012		
Tanytarsus	L	1	6	And et al 2013		