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)**
BEAR CREEK	1186600	201610196318

Sampling Location: 50m upstream STH-131 bridge

Database Key: 142720598

SWIMS Station ID	**SWIMS Station Name**
10013605	BEAR CREEK STATION 1-STH 131 CROSSING UPSTREAM

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.355	-90.8125	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	READS AND TAINTER CREEKS	CRAWFORD

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MICHAEL MILLER	KICKAPOO AND LITTLE WILLOW RIVER MACROINVERTEB

Sampling Device

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

Habitat Sampled

- [ ] 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 ____**
15	2	—	—

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)**
12.0	13.4	124		492	123+

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)**
	0.3	4.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 70

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

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

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 30

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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		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments: Stream low gradient before entering Kickapoo
Extensive silt, excess periphytic growth

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Taylor Hasz	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13010
Date Processed: 3-30-17	Specimens Saved: Subsample archived in ABL until Sept 2020	

D2 81
B3 56

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Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
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Wadeable Macroinvertebrate Field Data Report

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Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Bear Creek	1193500	20161019-63-18

Sampling Location
50 m Upstream STH-131

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10047144		

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
43.3549	-90.8126	(SWIMS) SWDV GPS	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
	Kickapoo River	Vernon

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Miller, Mike	Willow-Kickapoo

Sampling Device

☒ Kick Net ☐ Surber Sampler ☐ Eckman
☐ Ponar ☐ Artificial Substrate ☐ Hess Sampler ☒ Other: D-frame

Habitat Sampled

☐ Riffle ☒ Run ☐ Pool
☐ Other ☐ Shoreline Composite ☐ Proportionally-Sampled Habitat
☐ Littoral Zone ☐ Profundal Zone ☐ Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m²)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
15 min.	2	—	—

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)**
12.0	13.4	124		492	120+

Water Color

☒ Clear ☐ Turbid ☐ Stained

Estimated Stream Velocity (m/s)

☐ 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)**
	0.3	4

Composition of Substrate Sampled (Percent):

Bedrock: ____ Boulders (basketball or larger): ____ Rubble (tennisball to basketball): ____ Gravel (ladybug to tennisball.): 70

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

Aquatic Macrophytes: ____ Leaf Snags: ____ Course Woody Debris: ____ Other (____): ____

Embeddedness of Substrate at Sample Site (%) 80 **Canopy Cover at Sample Site (%)** 30

Stream and Watershed Descriptors

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- 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**		
Physical			Bank Erosion		
Bank Erosion			Point Source - Specify:		
Channelization - Upstream			Pasturing of Livestock		
- Downstream			Runoff: - Barnyard		
Hydraulic Scour / Channel Incision			- Construction		
Impoundment: - Upstream			- Cropland		
- Downstream			- Urban		
Low Flow			Septic Systems		
Sedimentation			Tile Drainage - Organic Soils		
Sludge			- Minerals soils		
Thermal			Springs		
Turbidity			Tributary(s)		
Other - Specify:			Wetland		
			Other - Specify:		

Comments: Silty low gradient before entering Kickapoo. Periphyton present

Special Instructions for Laboratory:

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Date Processed	Specimens Saved	