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)**
BISHOP BRanch	1188500	201610196316

Sampling Location: Private driveway stream ford 1.Km upstream of West Fork Kic

Database Key: 142720571

SWIMS Station ID	**SWIMS Station Name**
633059	BISHOP BRANCH - BISHOP BR. SE1/4 OF NW1/4 SEC.16

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.518845	-90.74293	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	WEST FORK KICKAPOO RIVER	VERNON

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

- [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**	
15	3	—	**Replicate No.** ____ **of** ____

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)**
13.2	12.2	11.7		546	123+

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**
	0.75	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20

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

Embeddedness of Substrate at Sample Site (%) 0 **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
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Dow nstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Dow nstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

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

Comments 10" rainstorm event 1 month prior to sampling resulted in extreme stream scour and low macroinverte densities.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Taylor Hasz	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
3-28-17	subsample archived in ABL until Sept 2020	

C2 262

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

Wadeable Macroinvertebrate Field Data Report

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Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Bishops Branch	1188500	20161019-63-16

Sampling Location: Private Driveway Stream ford 1 Km upstream of confluence with West Fork Kickapoo

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
633059		

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
43.51861	-90.74672	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, M	Willow-Kickapoo Project

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 (m^2)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
15	3		

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)**
13.2	~~11.7~~ 12.2	11.7		546	123+

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)**
	0.75	

Composition of Substrate Sampled (Percent):

Bedrock: ____ Boulders (basketball or larger): ____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball.): 60

Sand: ____ Clay: ____ Silt/Muck: ____ Overhanging Vegetation: 20

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

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

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Factors that may be Influencing Water Resource Integrity	Local	Water-shed
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Channelization - Upstream		
- Downstream		
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Sedimentation		
Sludge		
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Turbidity		
Other - Specify:		

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Chlorine		
Dissolved Oxygen		
Nutrients (P, N....)		
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Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Minerals soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments:
10" rain event in Sept. Extensive scouring. Periphyton reduced by 60%, few inverts.

Special Instructions for Laboratory:

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