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)**
PLUM CREEK	1182700	20161020-12-01

Sampling Location	**Database Key**
	135786500

SWIMS Station ID	**SWIMS Station Name**
10015739	PLUM CREEK - 20 YDS UPSTREAM MILL RD. BRIDGEOFF PLUM CREEK RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.1402466	-90.9790026	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	LOWER KICKAPOO RIVER	CRAWFORD

Sample and Site Descriptors

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

Sampling Device

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

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**	
4.0	4.0	1	**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)**
					120

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)
- [ ] 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)**
	0.2	1.3

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 40

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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	PH		Chlorine	N	
- Filamentous Algae	PH		Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)	PH	PH
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	PH	PH
Physical			Point Source - Specify:		
Bank Erosion	PH	PH	Pasturing of Livestock	PH	PH
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction	N	
Hydraulic Scour / Channel Incision			- Cropland	PH	PH
Impoundment: - Upstream			- Urban	N	N
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation	PH	PH	- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity	PH	PH	Wetland		
Other - Specify:			Other - Specify:		

Comments: Recent 10"-14" rain event may have scoured streambed, and reduced invertebrates.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kuhne, Allison	Dimick, Jeffrey	100%
Date Processed	**Specimens Saved**	
3-16-17	Subsample archived in ABC until Aug 2020	

A2→15 E2→3 B2→6 B3→7 E1→8
C1→21 A1→9 A3→6 D2→4 D1→8
C3→5 B1→9 C2→7 E3→4 D3→13