State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)
BEAVER CREEK	1297300	20161019-57-02

Sampling Location	Database Key
	135786302

SWIMS Station ID	SWIMS Station Name
10044149	BEAVER CREEK US SOUTH AVE. BRIDGE

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
43.576476	-89.8863695	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
LOWER WISCONSIN	DELL CREEK	SAUK

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
JEAN UNMUTH	DELL CREEK TWA [SECTION 319] [HUC10] 2016

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	Replicate No. ____ of ____
4.0	4.0	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [X] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [ ] Other: _____

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
10.9	10.7	12.0	8.2	176	91

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 m/s or f/s)	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
	0.4	1.0

Composition of Substrate Sampled (Percent):

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

Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: 20

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: 30 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40 **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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton	N		Chlorine	N	
- Filamentous Algae	N		Dissolved Oxygen	N	
- Planktonic Algae	N		Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)	N	
Macrophytes	N		- Organic (PCBs, pesticides...)	N	
Slimes	N		Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	N	
Physical			Point Source - Specify:	N	
Bank Erosion	N	~~N~~	Pasturing of Livestock	N	
Channelization: - Upstream	N		Runoff: - Barnyard	N	
- Dow nstream	N		- Construction	N	
Hydraulic Scour / Channel Incision	N		- Cropland	N	
Impoundment: - Upstream	PL		- Urban	N	
- Dow nstream	N	N	Septic Systems		
Low Flow	N	PL	Tile Drainage - Organic Soils		
Sedimentation	PL		- Mineral Soils		
Sludge	N		Springs		
Thermal	N		Tributary(s)		
Turbidity	N		Wetland	N	
Other - Specify:			Other - Specify:		

Comments Impoundments are beaver dams

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 2/7/17	Specimens Saved: Subsample archived in ASL until May 2020	

E375
D371