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)
OTTER CREEK	1237100	20161024-25-01

Sampling Location	Database Key
	135786418

SWIMS Station ID	SWIMS Station Name
253169	OTTER CREEK UNION VALLEY RD. (NEAR MT HOPE RD.)

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
43.00322	-90.28626	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
LOWER WISCONSIN	OTTER AND MORREY CREEKS	IOWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
JEAN UNMUTH	SOUTHERN DISTRICT FOLLOW UP MONITORING FOR IMPA

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		

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)
7.9	14.4	118	8.3	736	70

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)
	0.20	2.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 25 Gravel (ladybug to tennisball): 30

Sand: 5 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: 10 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **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	U		Chlorine	N	
- Filamentous Algae	PL		Dissolved Oxygen	N	
- Planktonic Algae	PL		Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)	N	
Macrophytes	N		- Organic (PCBs, pesticides...)	N	
Slimes	N	PH	Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	PH	PH
Physical			Point Source - Specify:	N	
Bank Erosion	PH	PH	Pasturing of Livestock	N	PH
Channelization: - Upstream	N		Runoff: - Barnyard	N	
- Dow nstream			- Construction	N	
Hydraulic Scour / Channel Incision	PH	PH	- Cropland	N	
Impoundment: - Upstream	N		- Urban	N	
- Dow nstream	PH		Septic Systems		
Low Flow	N		Tile Drainage - Organic Soils		
Sedimentation	PH	PH	- Mineral Soils		
Sludge	N		Springs		
Thermal	N		Tributary(s)		
Turbidity	PH	PH	Wetland	N	
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Andrew Kohlmann	Kaira Kamke	20%
Date Processed	**Specimens Saved**	
12/21/16		

E3 - 61
B3 - 110
A1 - 141