

Wadeable Macroinvertebrate Field Data Report

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Mud Creek	Waterbody ID Code 129500	Sample ID (YYYYMMDD-CY-FD) 2017027-45-07
Sampling Location start of station - riffle		Database Key 148337492

SWIMS Station ID 10049216	SWIMS Station Name MUD CREEK 40M US NORTH CASOLOMA DR.
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER FOX	Watershed Name FOX RIVER - APPLETON	County OUTAGAMIE
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name MUD CREEK AND NEENAH SLOUGH TWA 2017
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Sampling Device

<input checked="" type="checkbox"/> D-Frame Kick Net	<input type="checkbox"/> Surber Sampler	<input type="checkbox"/> Eckman
<input type="checkbox"/> Ponar	<input type="checkbox"/> Artificial Substrate	<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____

Habitat Sampled

<input checked="" type="checkbox"/> Riffle	<input type="checkbox"/> Run	<input type="checkbox"/> Pool
<input type="checkbox"/> Other	<input type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland

Total Sampling Time (min) 3	Estimated Area Sampled (m²) 4	Number of Samples in Composite 1	Replicate No. 1 of _____
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Reason For Sampling

<input type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input checked="" type="checkbox"/> Other: TWA

Water Temp. (C) 17.03	D.O. (mg/l) 16.2	D.O. (%sat.) 107.7	pH (su) 8.5	Conductivity (umhos/cm) .903	Transparency (cm) 7122
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 50
Sand: 20	Clay: 10	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40	Canopy Cover at Sample Site (%) 70
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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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
	Algae: - Diatoms / Periphyton	N	N	Chlorine	N
	- Filamentous Algae	N	N	Dissolved Oxygen	N
	- Planktonic Algae	N	N	Nutrients (P, N...)	U
	Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N
	Macrophytes	N	N	- Organic (PCBs, pesticides...)	N
	Slimes	N	N	Other - Specify:	
	Other - Specify:			Sources of Stream Impacts	
				Bank Erosion	U
				Point Source - Specify:	N
Physical				Pasturing of Livestock	N
	Bank Erosion	U	U	Runoff: - Barnyard	N
	Channelization: - Upstream	N	U	- Construction	N
	- Downstream	N	U	- Cropland	N
	Hydraulic Scour / Channel Incision	U	U	- Urban	U
	Impoundment: - Upstream	N	N	Septic Systems	N
	- Downstream	N	N	Tile Drainage - Organic Soils	N
	Low Flow	U	U	- Mineral Soils	N
	Sedimentation	N	N	Springs	N
	Sludge	N	N	Tributary(s)	N
	Thermal	N	N	Wetland	N
	Turbidity	N	U	Other - Specify:	
	Other - Specify:				

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Grant Gagliardi</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>2/12/2018 13%</i>
Date Processed <i>2/12/2018</i>	Specimens Saved <i>Subsample archived in box until May 2021</i>	

*C2 63
 E2 97*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis bournicolar</i>	L	xiii	14	Klüberdenz 2016		
<i>B. flavistriga</i> species complex	L	x-	15	"		
<i>Cheumatopsyche</i>	L	-iii	8	Hilsenhoff 1995		
<i>Hydropsyche betteni</i>	L	-1	6	Schm, Wiks 1986		
<i>Dicrotopha</i>	L	1	1	Nik., Schm. 1992		
<i>Ophlebia</i> ← A 10	L	x-iii	20	"	imm	N
<i>O. fastiditius</i> L, 56 A, 4	L, A	80	60	"		
Scirtidae	A	1	1	White, Boush 2008		
<i>Rezza/Palomyia</i>	L	-	5	Hilsenhoff 1995		
<i>Hemerodromia</i>	L	1	1	Court, Merr. 2008		
<i>Dixella</i>	L	1	1	"		
<i>Gammarus pseudolimnaeus</i>	A	-iiii	9	Holsinger 1972		
<i>Crangonyx</i>	A	-1	6	"	fem	
<i>Caecidotea racovitzai racovitzai</i>	A	0	20	Williams 1972		
Naididae	A	1	1	Ersev, Gustav 2002		
Tribicoid Naididae w/ capilliform chaetae	A	iiii	4	Ersev et al 2008		
Erpobdellidae	A	1	1	Ravies 1991		
Spit A3 Chironomidae	L	+JJP				
<i>Glyptotendipes</i>	L	-	5	Ander 13 2013		
<i>Chironominae</i> 08330000 Paratendipes/Rheotendipes	L	1	1	Courston 2013		
<i>Microtendipes pedellus</i> group	L	ii	2	Epler et al 2013		
<i>Cryptotendipes</i>	L	1	1	"		
<i>Paratendipes</i>	L	1	1	"		