

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MUDDY CREEK	Waterbody ID Code 2118300	Sample ID (YYYYMMDD-CY-FD) 20171121-17-01
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Sampling Location US of 320 th Ave bridge ~25m	Database Key 150694631
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SWIMS Station ID 10016889	SWIMS Station Name MUDDY CREEK - CTY C 30 METER DOWNSTREAM OF BRIDGE 320 th Ave
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Latitude 44.7962232	Longitude -91.7716342	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name MUDDY AND ELK CREEKS	County DUNN
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Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN RALEIGH, MYCAL	Project Name WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRME
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Sampling Device

☒ D-Frame 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) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: Follow Up

Water Temp. (C)	D.O. (mg/l)	D.O. (%sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .3	Average Stream Width of reach (m) 6m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 15	Rubble (tennisball to basketball): 65	Gravel (ladybug to tennisball): 10
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Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other ():: _____
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Embeddedness of Substrate at Sample Site (%) 20	Canopy Cover at Sample Site (%) 80
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Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Comments Site is located in small community. Stream runs through steep valley at this station. Some noticeable bank erosion in spots, but not too bad.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>David Gaylis</i>	Taxonomist <i>Dimick, Jeffery</i>	Estimated Percent of Sample Sorted 13%
Date Processed 2/7/2018	Specimens Saved Subsample archived in BBL until Apr 2021	

A2 78
A1 61
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Wisconsin Department of Natural Resources

ABL SampleNum: 20171121-17-01

Taxonomist: Dimick, Jeffrey

Waterbody: Muddy Creek
SWIMS Database Key: 150694631

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocaenia Allocaenia	L	II	3	Hilsenhoff 1995		
Haploperla orpha	L	II	2	Hilsenhoff 1974	imm	
Paragnetina medea	L	III	4	"		
Isonychia signata	L	I	1	Hilsenhoff 1982		
I. transmarina	L	I	1	"		
Taeniopteryx	L	III	3	Hilsenhoff 1995	imm	N
T. burksi	L	III	8	Fell, Steen 1982		
Ephemerella	L	II	30	Kubertanz 2016	imm	N
E. excrucians	L	III	14	"		
E. invaria	L	II	26	"		
Maccaffertium	L	II	2	"	imm	n=1, Y
M. medopunctatum	L	III	4	"		
Ceratopsyche sparna	L	III	4	Schm, Hils. 1986		
Chimarra obscura	L	I	1	Hilsenhoff 1982		
Optioervus fastiditus	L	I	1	Hils, Schm. 1992		
Stenelmis	L	III	4	"		
Nemurodromia	L	I	1	Couch, Merr. 2008		
Neoplasia	L	II	2	"		
Dicranota	L	III	4	Hilsenhoff 1995		
Megadrili	A	I	1	Benn, Geld. 1991		
Split to Chironomidae	L	III				
Thienemannimyia group	L	II	2	Cran, Epler 2013	imm	
Orthocladinae 08300000	L	I	1	Cranston 2013	int or det	N
Brillia flavifrons	L	I	1	Epler 2001		
Parametriocnemus	L	-	5	Anderson 2013		
Rheocricotopus obachi	L	I	1	Epler 2001		
Tretenia bavaria group	L	III	8	Bpde 1983		
Cricotopus	L	I	1	Anderson 2013		
Microtendipes rydalensis group	L	III	3	Epler et al 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (P.) laetum group	L	I	1	"		
P. (P.) flavum	L	I	1	"		
Rheotanytarsus	L	II	2	Epler et al 2013		
Stempellinella	L	I	1	"		
Tanytarsus	L	II	2	"		