

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Unnamed stream	Waterbody ID Code 140000	Sample ID (YYYYMMDD-CY-FD) 20201102-50-03
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Sampling Location ~5 m downstream lone Elm Road culvert	Database Key 250467596
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SWIMS Station ID 10053975	SWIMS Station Name UNNAMED AT LONE ELM ROAD
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Latitude 44.576329	Longitude -89.837079	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) CENTRAL WISCONSIN	Watershed Name MILL CREEK	County PORTAGE
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Sample and Site Descriptors

Sample Collector (Last Name, First) TAYLOR HASZ	Project Name MILL CREEK TWA 2020 (319 PROJECT-FUNDED)
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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) 2	Estimated Area Sampled (m²) 1	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: TWA

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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) .2	Average Stream Width of reach (m) .5
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 0

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

Comments: Sampled ~ 5 m downstream from Elm Road culvert in riffle. Substrate consisted of cobble and gravel mainly with some sand and silt.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Reed, Kayla</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>8.3%</i>
Date Processed <i>5-4-21</i>	Specimens Saved <i>Subsample 196 archived in ABL until Jul 2024</i>	

CK2 → 39
B3G4 → 10
C1Q3 → 30
B3Q3 → 29
C1Q1 → 70
B3Q2 →
C1Q4 →
B3Q1 →

Wisconsin Department of Natural Resources

ABL SampleNum: 20201102-50-03

Taxonomist: Dimick, Jeffrey

Waterbody: Unnamed Stream (1400000)

SWIMS Database Key: 250467596

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L		2	Klub 2016		
Caenis	L		1	MCB 2019	imm	
Stenonema femoratum	L		3	"		
Leptophlebia	L	xiii	13	"	imm	
Allocaenura	L		4	"		
Hydropsychidae	L		3	"	imm	N
Ceratopsycha slosserae	L		4	Schmidt's 1986		
Chamaetopsycha	L	8xii	52	MCB 2019		
Hydropsyche betteni	L	x-ii	18	Schmidt's 1986		
Trichoptera Nephilax Integropatira	L		2	MCB 2019	imm	Y
Dobsonflies	L		1	"		
Optioservus	L	oM	25	"	imm	N
O. fastidicus L, 19 A, 5	LA	oM	24	Hiltschun 1992		
Ephydriidae	L		1	MCB 2019		
Pericoma	L		1	"		
Dicraneta	L		1	"		
Gammarus pseudolimnaeus	A	-	7	Holt's 1977		
Hyalella waltbarni	A		2	Szwed et al 2015		
Naidinae	A		2	Kath Brin 1998		
Tubificonae (without hairs)	A		1	"		
Split A to Chironomidae		8x-24				
Split A to Chironomidae		 				
Thienemannella	L		1	And et al 2013	imm	
Rhyctanyctarsus	L		2	"		
Meropelopia	L		2	"		
Orthocladiinae	L	-	7	"	mt indet/imm	N
Chaetodadius	L		2	"		
Diplocladius	L		3	"		
Paracricotopus	L		1	"		
Parametricnemus	L	-	8	"		
Tvetenia bavarica group	L	-	9	Bode 1983		
Chironominae	L		2	And et al 2013	mt indet/imm	N
Micropsectra	L		2	"		
Polypedilum	L		1	"	imm	Y
P. (Uresipedilum)	L		2	"	mt indet	N
P. (U.) aviceps	L		1	Bolton 2012		
P. (U.) flavum	L	-	6	"		