

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name HAY CREEK	Waterbody ID Code 2157700	Sample ID (YYYYMMDD-CY-FD) 20191120-09-04
Sampling Location US culverts ~8m		Database Key 215849306

SWIMS Station ID 10031671	SWIMS Station Name HAY CREEK AT STH 64		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA	Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER	County CHIPPEWA	

Sample and Site Descriptors

Sample Collector (Last Name, First) Polegny, Mykal; Kristen Rethman	Project Name LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019
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Sampling Device ☒ D-Frame Kick Net ☐ Ponar	2019 Lotz/ Yellow R. TWA (42)	☐ Eckman ☐ Hess Sampler ☐ Other: _____
Habitat Sampled ☒ Riffle ☐ Other ☐ Littoral Zone		☐ Pool ☐ Proportionally-Sampled Habitat ☐ Wetland

Total Sampling Time (min) 1	Estimated Area Sampled (m ²) 1.5	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			
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Water Temp. (C) 1.11	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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 70	Gravel (ladybug to tennisball): 15
Sand: 5	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____

Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
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Embeddedness of Substrate at Sample Site (%) 0	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	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	U	U	- Organic (PCBs, pesticides...)	U	U
Slimes	U	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	U	U	Wetland	N	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments: Boulders coated in thick aquatic moss

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 1390
Date Processed 02-05-2020	Specimens Saved Subsample archived in ABC until Apr 2023	

E2: 34
C2: 172 > 206

Wisconsin Department of Natural Resources

ABL SampleNum: 20191120-09-04

Taxonomist: Dimick, Jeffrey

Waterbody: Hay Creek

SWIMS Database Key: 215849306

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna maderrenoyghii</i>	L	xii	12	Klib 2016		
<i>A. pygmaea</i>	L	i	6	"		
<i>Caenis</i>	L	iiii	4	"	imm	N
<i>C. latipennis</i>	L	i	1	"		
<i>C. punctata</i>	L	vi	6	"		
<i>Maccaffertium vicarium</i>	L	i	1	"		
<i>Stenocranus</i>	L	i	6	"	imm	N
<i>S. interpunctatum</i>	L	iii	3	"		
<i>Leptophlebia</i>	L	ix	10	"	imm	
<i>Allocaenia</i>	L	ii	7	Hils 1995		
<i>Clasperia clava</i>	L	iii	3	"		
<i>Taeniopteryx burksi</i>	L	i	1	Fullstew 1980		
<i>Stenelmis</i>	L	i	1	Hils Schum 1992		
<i>Simulium vittatum</i> species complex 08110217	L	i	1	Adl et al 2004		
<i>Sperechan</i>	A	i	1	pluchino 1984		
<i>Pisidium</i>	A	i	1	Mackie 2007		
<i>Naididae</i>	A	i	1	Bornfeld 1991		
<i>Tubificinae</i> (with hairs)	A	ii	2	Klemm 1985		
<i>Lumbriculus</i>	A	i	1	Thorp Reg 2016		
Split A3 Chironomidae	L	NO				
<i>Chironomidae</i> 08250000	L	i	1	Court Mer 2008	mt indet	N
<i>Ablabesmyia</i> (<i>Ablabesmyia</i>)	L	i	1	cran Epl 2013	imm	
<i>Conchapelopia</i> 08270700	L	ii	2	"		
<i>Natarsia baltimorea</i>	L	i	1	Bolton 2012		
<i>Nilotanytus</i>	L	i	1	cran Epl 2013		
<i>Zavrelimyia</i> 08273000	L	i	1	"		
<i>Thienemannimyia</i> group	L	iii	3	"	imm	N
<i>Orthocladinae</i> 08300000	L	i	6	cranston 2013	mt indet	N
<i>Corynoneura</i>	L	ii	2	And+3 2013		
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicinctus</i> group	L	ii	2	"		
<i>Eukiefferiella devonica</i> group	L	i	1	"		
<i>Nanocladius</i> (<i>Nanocladius</i>)	L	i	1	"	imm	
<i>Orthocladus</i> (<i>Orthocladus</i>)	L	i	1	"		Y
<i>O. (O.) oliveri</i>	L	i	5	Bolton 2012		
<i>Parakiefferiella</i>	L	ii	7	And+3 2013		
<i>Parametriocnemus</i>	L	i	5	"		
<i>Thienemannella xena</i>	L	iii	4	Bolton 2012		

3 taxa, TVAL ≤ 2.0

5 < (0.1 x 170)

Taxonomist: Dimick, Jeffrey

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[illegible]