

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name FREDERICK CREEK	Waterbody ID Code 2152900	Sample ID (YYYYMMDD-CY-FD) 20201103-09-01
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Sampling Location Under bridge	Database Key 253357402
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SWIMS Station ID 10008730	SWIMS Station Name FREDRICK CREEK - 40TH AVE. (LAFAYETTE 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 CHIPPEWA	Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER	County CHIPPEWA
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Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name LITTLE LAKE WISSOTA 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) 1	Estimated Area Sampled (m²) 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

Water Temp. (C) 6.1	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) 0.15	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 80	Gravel (ladybug to tennisball): 10
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Sand: _____	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 (%) 5	Canopy Cover at Sample Site (%) 100
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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	U	Chlorine	U	U
- Filamentous Algae	PL	U	Dissolved Oxygen	U	U
- Planktonic Algae	U	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	U	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	PL	U	Runoff: - Barnyard	U	U
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	PH	U
Hydraulic Scour / Channel Incision	PL	U	- Urban	N	U
Impoundment: - Upstream	N	N	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	U	U	- Mineral Soils	U	U
Sedimentation	PH	U	Springs	U	U
Sludge	U	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Isabel Dunn	Taxonomist Derrick J. Gray	Estimated Percent of Sample Sorted 6.67%
Date Processed 6/16/2021	Specimens Saved Subsample archived in ABC until Jul 2024	

10:00-
11:25

A3 E3
Q1-30 Q1-36
Q3-32 Q4-40

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Wisconsin Department of Natural Resources

ABL SampleNum: 20201103-09-01

Taxonomist: Dimick, Jeffrey

Waterbody: Frederick Creek
SWIMS Database Key: 253357402

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna macedunovichi</i>	L	xii	12	Klub 2016		
<i>Baetis brunneicollis</i>	L	i	1	"		
<i>Maccaffertium vicarium</i>	L	ii	2	"		
<i>Leptophlebia</i>	L	iii	4	MCB 2019	imm	
<i>Chumatopsycha</i>	L	iii	4	"		
<i>Hydropsyche betteni</i>	L	-iii	8	Schmidt 1986		
<i>Lepidostoma</i>	L	i	1	MCB 2019		
<i>Plectrocnemia</i>	L	i	1	"		
<i>Neophylax</i>	L	-ii	7	"		
<i>Optioservus</i>	L	ii	2	"	imm	N
<i>O. fasciatus</i>	L	ii	2	Wiss Schmitt 1992		
<i>Simuliidae</i>	L	ii	2	MCB 2019	imm	N
<i>Prosimulium</i>	L	ii	2	"	imm	
<i>Dicranota</i>	L	i	1	"		
<i>Tipula</i>	L	i	1	"		
<i>Cacidoptera racovitzae racovitzae</i>	A	-	5	Will 1972		
<i>Naididae</i>	A	-i	4	Kath Brin 1998		
<i>Whitefornae (without hairs)</i>	A	i	1	"		
<i>Spiliza chironomidae</i>	L	8x JJD				
<i>Spiliza chironomidae</i>	L	8x JJD				
<i>Corynoptera</i>	L	i	1	Anders 2013		
<i>Parametrioctonus</i>	L	8x JJD	25	"		
<i>Thienemannella</i>	L	i	1	"	imm	
<i>Tetania bavarica group</i>	L	-i	10	Bode 1983		
<i>Eladotanytarsus</i>	L	ii	2	Anders 2013		
<i>Cryptochironomus</i>	L	i	1	"		
<i>Rhyacotanytarsus</i>	L	iii	4	"		
<i>Meconema</i>	L	-	5	"		
<i>Thienemannimyia group</i>	L	ii	2	"	mt not imm	N
<i>Orthocladidae</i>	L	ii	2	"	imm	N
<i>Brillia</i>	L	i	1	"	imm	
<i>Chaetocladius</i>	L	i	1	"	imm	
<i>Diplocladius</i>	L	-ii	7	"		
<i>Eukretella claripennis group</i>	L	i	1	"		
<i>Parakretella</i>	L	i	1	"		
<i>Chironominae</i>	L	-ii	7	"	mt not imm	N
<i>Microseetia</i>	L	ii	2	"		

Taxonomist: Dimick, Jeffrey

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