

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name TYLER FKS	Waterbody ID Code 2923100	Sample ID (YYYYMMDD-CY-FD) 20211006-26-01
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Sampling Location Tyler Forks River 68m US Vogues Rd	Database Key 285806805
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SWIMS Station ID 10042745	SWIMS Station Name TYLER FORKS RIVER 68M US VOGUES ROAD
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Latitude 46.412891	Longitude -90.5161926	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) LAKE SUPERIOR	Watershed Name TYLER FORKS	County IRON
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARIA LEFEVRE	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 1.5	Estimated Area Sampled (m²) 2	Number of Samples in Composite 6	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 15.46	D.O. (mg/l) 10.3	D.O. (% sat.) 103.2	pH (su) 7.59	Conductivity (umhos/cm) 112	Transparency (cm) 2120
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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) 0.3	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 90	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 (%) 0	Canopy Cover at Sample Site (%) 10
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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	PL	PL	Chlorine	~	~
- Filamentous Algae	~	~	Dissolved Oxygen	~	~
- Planktonic Algae	~	~	Nutrients (P, N...)	~	~
Iron Bacteria	~	PL	Toxics: - Inorganic (Metals)	~	~
Macrophytes	~	~	- Organic (PCBs, pesticides...)	~	~
Slimes	~	~	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	~	~
			Pasturing of Livestock	~	~
Physical			Runoff: - Barnyard	~	~
Bank Erosion	PL	PL	- Construction	~	~
Channelization: - Upstream	~	~	- Cropland	~	~
- Downstream	~	~	- Urban	~	~
Hydraulic Scour / Channel Incision	PL	PL	Septic Systems	~	~
Impoundment: - Upstream	~	PL	Tile Drainage - Organic Soils	~	~
- Downstream	~	PL	- Mineral Soils	~	~
Low Flow	~	~	Springs	~	PL
Sedimentation	~	PL	Tributary(s)	~	PL
Sludge	~	~	Wetland	~	PL
Thermal	~	~	Other - Specify:		
Turbidity	~	~			
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Reed, Kayla</i>	Taxonomist <i>Dimick, Jeff</i>	Estimated Percent of Sample Sorted <i>R1 6.25% R2 4.3%</i>
Date Processed <i>10-12-22</i>	Specimens Saved <i>R1 205 R2 132</i>	<i>subsamples archived in R2 until Jan 2026</i>

R1
D3 2:44 A4 1:37
94:36 94:88
91: 92:
93: 93:

R2: B1 1:01 C4 4:42
93: 93:
91: 91:
92: 92:

01 42 16 119 2 121

2 - 64th 3.125
3 - 1/4 of 64th ~1.17%
4.3%

Wisconsin Department of Natural Resources

ABL SampleNum: 20211006-26-01

Taxonomist: Dimick, Jeffrey

Waterbody: Tyler Forks

SWIMS Database Key: 285806805

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Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
Ephemereila	L	3	0		MCB 2019	imm	
Eurylophella	L	1	1		"	imm	
Epeorus vitreus	L	4	3		Klub 2016		
Leucrocota	L	6	7		MCB 2019		
Maccaffertium modestum	L	3	2		Klub 2016		
M. vicarium	L	1	4		"		
Leptaphlebiidae	L	1	0		MCB 2019	imm	N
Neoleptaphlebia	L	1	1		"	dam	N
N. mellis	L	1	3		Klub 2016		
Ophiogomphus	L	0	1		MCB 2019	imm	
Allocaonia	L	0	2		"		
Isoperla	L	3	2		"	imm	
Taeniopterygidae	L	10	5		"	imm	Y
Taeniopteryx	L	5	4		"	imm	
Glossosoma	L	0	1		"	imm	N
G. intermedium	L	4	1		Wyan Mar 2000		
Ceratopsyche	L	0	1		MCB 2008	imm	N
C. morosa	L	2	0		Schmitts 1986	imm	N
C. m. morosa form	L	1	0		"		
C. sparna	L	0	1		"		
Cheumatopsyche	L	1	0		MCB 2019		
Chimarra	L	2	0		"	imm	
Helichus striatus	A	0	1		Hils Schmitt 1992		
Optioservus	L	13	10		MCB 2019	imm	N
O. trivittatus R1 LB, A1 R2, LB	L/A	9	8		Hils Schmitt 1992		
Stenelmis	L	2	3		MCB 2019		N
S. crenata	A	0	1		Hils Schmitt 1992		
Atherix variegata	L	4	2		Hils 1995		
Tuctenia	P	1	0		MCB 2019		
Hemerodromia	L	1	1		"		
Simulium	L	0	1		"	imm	
Chrysops	L	0	1		"		
Antocha	L	0	1		"		
Hyalotoma	L	1	0		"		
Pseudoklimaphila	L	2	0		"		
Lumbriculus	A	4	1		Thorp Reg 2016		
Naidinae	A	9	5		Kath Brim 1998		
Tubificinae (with hairs)	A	2	0		"		
Speronidae	A	1	0		Peck et al 1990		

Taxonomist: Dimick, Jeffrey

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[illegible]