

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name TYLER FKS	Waterbody ID Code 2923100	Sample ID (YYYYMMDD-CY-FD) 20200924-26-02
Sampling Location 75 m. US Vogues Rd.		Database Key 249177484

SWIMS Station ID 10042745	SWIMS Station Name TYLER FORKS RIVER 68M US VOGUES ROAD
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Latitude 46.412891 / 46.41304	Longitude -90.5161926 / -90.51632	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 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) JON KLEIST	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	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 3	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) 15.2	D.O. (mg/l) 9.7	D.O. (% sat.) 96.5	pH (su) 8.0	Conductivity (umhos/cm) 111	Transparency (cm) 7120
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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 0.6	circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 30
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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 (%) 10	Canopy Cover at Sample Site (%) 20
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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	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	PL	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	PH
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PH	PH	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	PL	Septic Systems	N	N
- Downstream	N	U	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	N	N	Springs	N	PL
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	N	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Isabel Dunn	Taxonomist Dimick, Jeffray	Estimated Percent of Sample Sorted 9.4%
Date Processed 12/31/2021	Specimens Saved Subsample archived in DBC until Feb 2025	

10:15-
1:00

3 4
2 42
1 2-38
4 3

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Wisconsin Department of Natural Resources

ABL SampleNum: 20200924-26-02

Taxonomist: Dimick, Jeffrey

Waterbody: Tyler Forks

SWIMS Database Key: 249177484

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acentrella turbida</i>	L	-	5	Klub 2016		
<i>Baetis tricaudatus</i>	L	"	2	"		
<i>B. flavistriga</i> species complex	L	1	1	"		
<i>Ephemerella</i>	L	"	2	MCB 2019	imm	
<i>Ecnorus vitreus</i>	L	XIII	13	Klub 2016		
<i>Leucocentrus</i>	L	III	4	MCB 2019		
<i>Maccafferdium modestum</i>	L	1	1	Klub 2016		
<i>M. virarium</i>	L	III	4	"		
<i>Neolepophlebia</i>	L	-	5	MCB 2019		
<i>Perlidae</i>	L	1	1	"	imm	N
<i>Peroneurina</i>	L	1	1	"	imm	N
<i>A. lycorae</i>	L	1	1	Hatch 1974		
<i>Isoperla</i>	L	1	1	MCB 2019	imm	
<i>Taeniopteryx</i>	L	XIII	13	"	imm	
<i>Glossosoma</i>	L	-	6	"	imm	N
<i>G. intermedium</i>	L	"	2	WymMar 2000		
<i>Ceratopsyche morosa</i>	L	III	4	Schmidt 1986	imm	
<i>Neotrichia</i>	L	1	1	MCB 2019		
<i>Optioservus</i>	L	X-	15	MCB 2019	imm	N
<i>O. trivittatus</i> L.3 A.1	LA	III	4	Hiltsch 1992		
<i>Stenelmis</i>	L	III	4	MCB 2019		
<i>Atherix variegata</i>	L	"	2	Hilts 1995		
<i>Nannocladius</i> (Nannocladius)	P	1	1	MCB 2019		N
<i>Cricotopus</i> (Cricotopus)	P	1	1	Adl et al 1986		
<i>Eukiefferiella</i>	P	1	1	MCB 2019		
<i>Rheocricotopus</i>	P	1	1	"		
<i>Hemerodromia</i>	L	III	3	"		
<i>Simulium</i>	L	I	1	"	imm	
<i>S. tuberosum</i> species complex	P	1	1	Adl et al 2001		
<i>Antocha</i>	L	1	1	MCB 2019		
<i>Nicoma</i>	L	1	1	"		
<i>Lumbriculus</i>	A	III	3	Thorp 2016		
<i>Tubificinae</i> (with hairs)	A	1	1	Kath Brint 1998		Y
<i>Tubificinae</i> (without hairs)	A	1	1	"		Y
<i>Membranidae</i>	A	1	1	Thorp 2016		
<i>Split to Chironomidae</i>	L	III	4			

Taxonomist: Dimick, Jeffrey

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