

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name TYLER FKS		Waterbody ID Code 2923100	Sample ID (YYYYMMDD-CY-FD) 20171019-26-07
Sampling Location Upstream of Vogue Rd \approx 30m			Database Key 149418847
SWIMS Station ID 10042745	SWIMS Station Name TYLER FORKS RIVER 68M US VOGUES ROAD		
Latitude 46.41325	Longitude -90.51659	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name TYLER FORKS	County IRON

Sample and Site Descriptors

Sample Collector (Last Name, First) JON KLEIST Cunningham, Joseph	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS
Sampling Device	
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	

Habitat Sampled

<input checked="" type="checkbox"/> Riffle	<input type="checkbox"/> Run	<input type="checkbox"/> Pool
<input type="checkbox"/> Other	<input type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland

Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3-20 second kicks	Replicate No. _____ of _____
---	---	--	-------------------------------------

Reason For Sampling

<input checked="" type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input type="checkbox"/> Other: _____

Water Temp. (C) 9.1	D.O. (mg/l) 11.4	D.O. (% sat.) 98.5	pH (su) 7.3	Conductivity (umhos/cm) 60.3	Transparency (cm) >120
-------------------------------	----------------------------	------------------------------	-----------------------	--	----------------------------------

Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<input 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)

Measured Velocity 0.4	circle units m/s or f/s	Average Stream Depth of reach (m) 0.35 m	Average Stream Width of reach (m) 9 m
---------------------------------	----------------------------	--	---

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 50
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____
Embeddedness of Substrate at Sample Site (%) 0		Canopy Cover at Sample Site (%) 30%	

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 11/12/2018	Specimens Saved Subsample archived in ABL until Feb 2022	

A1: 175