

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name FLUME CREEK	Waterbody ID Code 286600	Sample ID (YYYYMMDD-CY-FD) 20221027-50-04
Sampling Location		Database Key 323921442

SWIMS Station ID 10030803	SWIMS Station Name FLUME CREEK - 40 FT UPSTREAM FROM CTH T		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Datum Used if using GPS WGS84 or NAD83		Basin (WMU) WOLF RIVER	Watershed Name UPPER LITTLE WOLF RIVER
		County PORTAGE	

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name UPPER LITTLE WOLF RIVER TWA 2022

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) 3	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 7.65	D.O. (mg/l) 12.2	D.O. (% sat.) 103.8	pH (su) 8.3	Conductivity (umhos/cm) 500	Transparency (cm) 120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> 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) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 80
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40
Canopy Cover at Sample Site (%) 0

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

Comments

Special Instructions for Laboratory

B4 D2
 93-93 93-43 = 260
 94-85 94-39
 91- 92-
 92- 91-

For Lab Use Only		
Sample Sorter Mary Joy Relagio	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 6.25%
Date Processed 3/28/2023	Specimens Saved Subsample archived in ABL until Jun 2026	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis tricaudatus</i>	L	/	5	Kubertanz 2016		
<i>B. flavistriga</i> species complex	L		3	"		
<i>Ephemera</i>	L		33	MCB 2019	imm	N
<i>E. invaria</i>	L		2	Kubertanz 2016		
<i>Teloganopsis deficiens</i>	L	-	9	MCB 2019		
<i>Maccallertum</i>	L		3	Kubertanz 2016	imm	
<i>Gomphidae</i>	L		1	MCB 2019	imm	
<i>Isoperla</i>	L		2	"	imm	
<i>Taeniopteryx burksi</i>	L		1	Fell Stew 1980		
<i>Paracapnia angulata</i>	L		1	Hatchcock 1974		
<i>Brachycentrus americanus</i>	L		7	Hilsenhoff 1985		
<i>B. occidentalis</i>	L	x-	20	"		
<i>Micrasema austrum</i>	L	-	6	"		
<i>Glossosoma intermedium</i>	L		4	Wyner Morse 2000		
<i>Protophila</i>	L	/	5	MCB 2019		
<i>Melicopsycha borealis</i>	L		2	Hilsenhoff 1985		
<i>Ceratopsyche</i>	L		1	"	dam	N
<i>C. sirossonae</i>	L		1	Schmitt 1986		
<i>C. sparna</i>	L	-	6	"		
<i>Chaumatopsyche</i>	L		2	MCB 2019		
<i>ocedus</i>	L		1	"	imm	
<i>Lepidostoma</i>	L	BD	60	"		
<i>Dolichotarsus</i>	L		32	"	imm	N
<i>D. fastiditus</i>	L	x	13	Hilsenhoff 1982		
<i>D. trivittatus</i> L.3 A.1	L/A		4	"		
<i>Atherix variegata</i>	L		1	Hilsenhoff 1982		
<i>Nemurodromia</i>	L	-	8	MCB 2019		
<i>Neoplasta</i>	L		1	"		
<i>Simulium</i>	L		2	"	imm	
<i>Dicranota</i>	L		3	"		
<i>Gammarus pseudolimnacus</i>	A		2	Holsinger 1972		
<i>Physa</i>	A		2	Thorp Reg 2016		
<i>Spilota Chironomidae</i>	L	-				
<i>Cricotopus (Cricotopus) trifascia</i> group	L		1	Ander et al 2013		
<i>Eukiefferiella dworona</i> group	L		2	"		
<i>Paramebrionemus</i>	L		2	"		

