

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name FLUME CREEK	Waterbody ID Code 286600	Sample ID (YYYYMMDD-CY-FD) 20221013-50-02
Sampling Location		Database Key 323921394

SWIMS Station ID 10021972	SWIMS Station Name FLUME CREEK AT HWY 66 (SITE 15)		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) WOLF RIVER		Watershed Name UPPER LITTLE WOLF RIVER	Datum Used if using GPS WGS84 or NAD83
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)	Estimated Area Sampled (m²)	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 10.6	D.O. (mg/l) 8.99	D.O. (% sat.) 84.0	pH (su) 7.9	Conductivity (umhos/cm) 474	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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** _____

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

Comments

No

Special Instructions for Laboratory

B₃ D₄ D₃ G₂ NO
94-15 93-26 93-14 93-22 = 271
92-7 92-29 94-15 92-13
91-18 91-14 91-13 91-19
93-15 94-23 92-16 94-12

For Lab Use Only

Sample Sorter <i>Mary Joy Relagio</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>25%</i>
Date Processed <i>2/17/2023</i>	Specimens Saved <i>Subsample archived in ABZ until Jun 2026</i>	

+10

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	I	1	Klob 2016		
<i>B. flavistriga</i> species complex	L	XI	11	"		
<i>Leucocenta</i>	L	IIIIII	12	MCB 2019		
<i>Maccaffertium</i>	L	II	2	Klob 2016		
<i>M. vicarium</i>	L	0-III	28	"		
<i>Ceratopsyche morosa bifida</i> form	L	I	1	SchmHils 1986		
<i>Cheumatopsyche</i>	L	8-II	37	MCB 2019		
<i>Hydropsyche betteni</i>	L	III	3	SchmHils 1986		
<i>Leucobrychra pictipes</i>	L	IIII	5	Hilsenhoft 1985		
<i>Psychomyia flavida</i>	L	XIIII	16	"		
<i>O. fastidius</i>	L	XII	17	MCB 2019	imm	N
<i>O. frivittatus</i>	L	XIII	13	HilsSchm 1992		
<i>O. frivittatus</i>	L	II	2	"		
<i>Stenelmis</i>	L	0-III	23	MCB 2019		
<i>Diamesa</i>	P	III	3	"		
<i>Cricotopus (Cricotopus) bicornatus</i> group	P	I	2	Coff et al 1986		
<i>Orthocladius (Orthocladius)</i>	P	I	1	"		N
<i>Hemerodromia</i>	L	III	3	MCB 2019		
<i>Neoplasta</i>	L	II	2	"		
<i>Simulium vittatum</i> species complex 0811028	L	III	3	Ader et al 2004		
<i>Antocha</i>	L	II	2	MCB 2019		
<i>Gammarus pseudolinnæus</i>	A	IIII	9	Holsinger 1972		
<i>Ferrissia rivularis</i>	A	I	1	Thorp et al 2016		
<i>Megadrili</i>	A	III	3	"		
<i>Maidonia</i>	A	I	1	Kath Brin 1999		
<i>Tubificinae</i> (without hairs)	A	II	2	"		
<i>Oreoneides nestros</i>	A	I	1	Nobbs-Jess 1988		
Split A2 Chironomidae	L	8-III	201			
<i>Diamesa</i>	L	-II	7	Ader et al 2013		
<i>Cricotopus (Cricotopus) brifascra</i> group	L	I	1	"		
<i>Cladotanytarsus</i>	L	II	2	"		
<i>Microtendipes pedellus</i> group	L	X-III	18	"		
<i>Pseudochironomus</i>	L	-I	6	"		
<i>Orthocladius (Orthocladius)</i>	L	8-III	39	"		
<i>Dicentropes</i>	L	I	1	"		
<i>Polyperidilum (Cresipidilum) auriceps</i>	L	-	5	Bolton 2012		

54 taxa, TWL 520

637 (0.1 x 263)

