

Instructions: Bold fields must be completed.

Station Summary		
<b>Waterbody Name</b> FLUME CREEK	<b>Waterbody ID Code</b> 286600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 2022 1025-50-01
<b>Sampling Location</b>		<b>Database Key</b> 323921322

<b>SWIMS Station ID</b> 10016862	<b>SWIMS Station Name</b> FLUME CREEK - 10 YARDS DOWNSTREAM BRIDGE ONLINDEN ROAD		
<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	
<b>Basin (WMU)</b> WOLF RIVER			<b>Watershed Name</b> UPPER LITTLE WOLF RIVER
<b>County</b> PORTAGE			<b>Datum Used if using GPS</b> WGS84 or NAD83

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> DAVID BOLHA	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 3	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason for Sampling**

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

<b>Water Temp. (C)</b> 10.7	<b>D.O. (mg/l)</b> 11.3	<b>D.O. (% sat.)</b> 105.3	<b>pH (su)</b> 8.3	<b>Conductivity (umhos/cm)</b> 484.7	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.4	<b>Average Stream Width of reach (m)</b> 7
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_   
 Boulders (basketball or larger): 10   
 Rubble (tennisball to basketball): 80   
 Gravel (ladybug to tennisball): 10  
 Sand: \_\_\_\_\_   
 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 (%) 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	Local	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
<b>Biological</b>			<b>Chemical</b>		
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	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PL	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
<b>Physical</b>			Pasturing of Livestock	N	PL
Bank Erosion	N	N	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	N	N	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

**For Lab Use Only**

Sample Sorter Katherine McClure	Taxonomist Domrick, Jeffrey	Estimated Percent of Sample Sorted 8.1%
Date Processed 3/2/23	Specimens Saved Subsample archived in ABL until Jun 2026	

D494:75 A292:46  
 D493:58 A293:21  
 D492:48 A291:18  
 D491: A294:  
 D492-91:12  
 -92:7  
 -93:8  
 -94:21  
 266  
 1.25 + .0625 = 1.3125 = 8.1%



Wisconsin Department of Natural Resources

ABL SampleNum: 20221025-50-01

Taxonomist: Dimick, Jeffrey

Waterbody: Flume Creek

SWIMS Database Key: 323921322

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	MCB 2019	dam	Y
Baetis flavistriga species complex	L	I	1	Kubertanz 2016		
Ephemerella	L	III	5	MCB 2019	imm	N
E. invaria	L	III	3	Kubertanz 2016		
E. subvaria	L	III	3	"		
Tetragamptis deficiens	L	I	5	MCB 2019		
Maccaffertium	L	III	3	Kubertanz 2016	imm	N
M. modestum	L	II	2	"		
M. vicarium	L	III	4	"		
Neoleptophlebia	L	I	1	MCB 2019	dam	
Allocaenia	L	I	1	"		
Paragnetina media	L	III	3	Hilsenhoff 1995		
Isoperla	L	II	2	MCB 2019	imm	N
I. signata	L	I	1	Hilsenhoff 1992		
I. transmarina	L	I	1	"		
Pteronarcys	L	III	3	MCB 2019	imm	
Caenocoryx	L	I	6	"	imm	
Brachycentrus americanus	L	IIII	9	Hilsenhoff 1995		
B. occidentalis	L	II	2	"		
Alossoma intermedium	L	I	1	Warner Morse 2000		
Helicopsyche borealis	L	I	5	Hilsenhoff 1995		
Hydropsychidae	L	II	2	MCB 2019	imm	N
Ceratopsyche bronata	L	IIII	9	Schm Hils 1986		
C. glossaria	L	II-IV	28	"		
C. spuma	L	III	32	"		
Cheumatopsyche	L	0r	25	MCB 2019		
Hydropsyche betteni	L	I	1	Schm Hils 1986		
Lepidostoma	L	III	5	MCB 2019		
Psychomyia flavida	L	III	4	Hilsenhoff 1995		
Lype diversa	L	I	1	"		
Macronychus glabratus	L	I	1	"		
Otoseenus	L	X-III	17	MCB 2019	imm	N
O. fastiditus L, 8 A, 4	L, A	XII	12	Hils Schm 1992		
O. trivittatus	A	III	3	"		
Stenelmis	L	I	1	MCB 2019		N
S. crenata	A	III	3	Hils Schm 1992		
Atherix variegata	L	II	2	Hilsenhoff 1995		

