

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name RAINY CREEK	Waterbody ID Code 287500	Sample ID (YYYYMMDD-CY-FD) 20221013- 50 ⁵⁰ -01
Sampling Location		Database Key 323921430

SWIMS Station ID 10048975	SWIMS Station Name UNNAMED TRIB. TO FLUME CREEK - CTH 00		
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) 1.0	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) 7.92	D.O. (mg/l) 8.44	D.O. (% sat.) 73.9	pH (su) 7.6	Conductivity (umhos/cm) 538.6	Transparency (cm)
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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) 0.5	Average Stream Width of reach (m) 3.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: 50 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 20 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	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:	N	N
Other - Specify:	-	-	Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	PL
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PH	PH	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:	N	N
Other - Specify:	N	N			

Comments No

Special Instructions for Laboratory No

B3 Da D2 C2
 94-15 93-20 92-14 93-
 92-7 92-24 94-15 92-
 91-18 91-14 91-13 91-
 93-15 94-20 92-14 91-

For Lab Use Only			
Sample Sorter Undlin, Dylan	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 100%	
Date Processed 2/17/2023	Specimens Saved Subsample 219 archived in AB2 until Jun 2026		

D1	(24)	C1	(9)	A: 1,2,3	B: 1,3	C: 2,3	D1: 1,2,3	A4	C4	B2	B4
94 → 8		92 → 2		46	14	8	41	23			
93 → 7		91 → 3									
92 → 9		94 → 3									
91 → 0		93 → 1									
				(132)					(28)	(11)	(15)

Wisconsin Department of Natural Resources

ABL SampleNum: 20221013-50-01

Taxonomist: Dimick, Jeffrey

Waterbody: Rainy Creek
SWIMS Database Key: 323921430

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	1	1	Klub 2016		
<i>B. flavistriga</i> species complex	L	11	2	"		
<i>Paracapnia angulata</i>	L	80/1111	72	Hitchcock 1974		
<i>Brachycentrus americanus</i>	L	1	1	Hilsenhoff 1985		
<i>B. occidentalis</i>	L	xiii	13	"		
<i>Ceratopsyche slossonae</i>	L	1	1	Schm Hils 1986		
<i>Cheumatopsyche</i>	L	-1	6	MCB 2019		
<i>Hydropsyche betteri</i>	L	1	1	Schm Hils 1986		
<i>Lepidostoma</i>	L	x-1	16	MCB 2019		
Limnephilidae	L	1	1	"	imm	N
<i>Hesperophylax designatus</i>	L	1	1	Hilsenhoff 1985		
<i>Limnephilus</i>	L	1	1	MCB 2019		
<i>Molanna blanda</i>	L	iiii	4	Sherbwall 1971		
<i>Optioservus</i>	L	8/iii	43	MCB 2019	imm	N
<i>O-fastidiosus</i> L, 6 A, 4	L, A	x	10	Hils Schm 1992		
<i>Dixa</i>	P	1	1	MCB 2019		
<i>Dixa</i>	L	ii	2	"		
<i>Gammarus pseudolimnaeus</i>	A	-	5	Holsinger 1972		
<i>Hyallia spinicauda</i>	A	ii	2	Soucek et al 2015		
<i>Caecidotea racovitzai racovitzai</i>	A	01	21	Williams 1972		
<i>Physa</i>	A	1	1	Thorp Reg 2016		
<i>Pisidium</i>	A	-iii	10	"		
Limnephilidae	A	1	1	"		
Naididae	A	1	1	Kath Brin 1999		
Tubificoidae (with hairs)	A	iii	3	"		
<i>Hydrobates</i>	A	1	1	Peck et al 1990		
<i>Lebertia</i>	A	1	1	"		
Split A2 Chironomidae	L	-iii - 20				
<i>Pagastira</i>	L	x	10	Ander et al 2013		
<i>Cladotanytarsus</i>	L	1	1	"		
<i>Natarsia baltimorea</i>	L	1	1	Bolton 2012		
<i>Orthocladius (Orthocladius)</i>	L	iiii	4	Ander et al 2013		
<i>Parametrioctenemus</i>	L	1	1	"		
<i>Paratendipes</i>	L	1	1	"		
<i>Tanytarsus</i>	L	1	1	"		