

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LILY RIVER @ CTH A	Waterbody ID Code 370900	Sample ID (YYYYMMDD-CY-FD) 20161107-34-01
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Sampling Location Upstream CTH A	Database Key 133634525
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SWIMS Station ID 10029113	SWIMS Station Name LILY RIVER - 169M UPSTREAM CTH-A
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Latitude 45.351105	Longitude -88.831154	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) WOLF RIVER	Watershed Name LILY RIVER	County LANGLADE
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Sample and Site Descriptors

Sample Collector (Last Name, First) JAMES KLOSIEWSKI Joe Cunningham	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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Sampling Device

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

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

Water Temp. (C) 8.9	D.O. (mg/l) 14.3	D.O. (% sat.) 124.8	pH (su) —	Conductivity (umhos/cm) 252	Transparency (cm) 7/20
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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) 0.35	Average Stream Width of reach (m) 9.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40
 Sand: 20 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 15 **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	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
Biological				Chemical			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	<i>Key/Cox, Cox</i>	Taxonomist	<i>Osmick, Jeffrey</i>	Estimated Percent of Sample Sorted	<i>7%</i>
Date Processed	<i>10/11/17</i>	Specimens Saved	<i>Subsample archived in ABL until Dec 2020</i>		

B1-139

Wisconsin Department of Natural Resources

ABL SampleNum: 20161107-34-01

Taxonomist: Dimick, Jeffrey

Waterbody: Lily River
SWIMS Database Key: 133634525Page 1 of 2

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracornia angulata</i>	L	I	1	Hidmark 1974		
<i>Acronesia</i>	L	II	2	Hilsenhoff 1995		
<i>Isoneria</i>	L	III	3	"	imm	N
<i>I. signata</i>	L	III	3	Hilsenhoff 1995		
<i>I. strossi</i> (II) <i>transmarina</i>	L	II	2	"		
<i>Ephemerella subvaria</i>	L	IIII	4	Kubertanz 2016		
<i>Teloganopsis deficiens</i>	L	XI	11	"		
<i>Epeorus vitreus</i>	L	II	2	"		
<i>Leucocuta</i>	L	-I	6	"		
<i>Maccallertium</i>	L	III	5	"	imm	N
<i>M. modestum</i>	L	III	3	"		
<i>M. vicarium</i>	L	I	1	"		
<i>Rhithrogena impersonata</i>	L	I	1	"		
<i>Paraleptanthebia</i>	L	II	2	"		
<i>Ophigomphus</i>	L	I	1	Need et al 2000	imm	
<i>Microsema rusticum</i>	L	I	1	Hilsenhoff 1995		
<i>Glossosoma intermedium</i>	L	XIII	14	Wymers, Morse 2000		
<i>Protophila</i>	L	-I	6	Hilsenhoff 1995		
<i>Helicopsyche borealis</i>	L	I	1	"		
<i>Cnemidopsycha</i>	L	-	5	"		
<i>Ceratopsyche walkeri</i>	L	I	1	Schm., Hils. 1986		
<i>Leucotrichia pictipes</i>	L	I	1	Hilsenhoff 1995		
<i>Lepidostoma</i>	L	I	1	"		
<i>Setodes</i>	L	II	2	"		
<i>Chimarra</i>	L	II	2	"	imm	
<i>Psychomyia flavida</i>	L	I	1	"		
<i>Nigronia serricornis</i>	L	I	1	Neunzig 1966		
<i>Optiosecurus</i>	L	IIII	4	Hils., Schm. 1992	imm	N
<i>O. trivittatus</i>	L	0III	23	"		
<i>Atherix variegata</i>	L	I	1	Hilsenhoff 1995		
<i>Bezzia/ Palpomyia</i>	L	I	1	"		
<i>Dicranota</i>	L	II	2	"		
<i>Clitellata</i>	A	I	1	Brin, Geld. 1991	post frag	
<i>Lacnospira fuscus</i>	A	I	1	Burch 1982		
<i>Pisidium</i>	A	II	2	Burch 1972		
<i>Rheocleptia acra group</i>	L	III	3	Epler 2001		

