

Langlade - 34
Forest - 21

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

**Wadeable Macroinvertebrate
Field Data Report**
Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LILY RIVER	Waterbody ID Code 370900	Sample ID (YYYYMMDD-CY-FD) 20171101-34-01
Sampling Location 169 m 45 from CTH-A		Database Key 149852024

SWIMS Station ID 10029113	SWIMS Station Name LILY RIVER - 169M UPSTREAM CTH-A		
Latitude 45.351105	Longitude -88.831154	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name LILY RIVER	County LANGLADE

Sample and Site Descriptors

Sample Collector (Last Name, First) JAMES KLOSIEWSKI	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) 5	Estimated Area Sampled (m²) 2	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)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 9.3	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 5	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 30
Sand: 20	Clay: _____	Silt/Muck: 5	Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other ():: _____			

Embeddedness of Substrate at Sample Site (%) 10	Canopy Cover at Sample Site (%) 0
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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 - *Appeared a layer of soft sediment was distributed through the station*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>10/15/18</i>	Specimens Saved <i>Subsample archived in BBL until Jan 2022</i>	

EI=152

Wisconsin Department of Natural Resources

ABL SampleNum: 20171101-34-01

Taxonomist: Dimick, Jeffrey

Waterbody: Lily River

SWIMS Database Key: 149852024

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracapnia angulata</i>	L	III	3	Hatch 1974		
<i>Acroneuria</i>	L	I	1	Hils 1995	imm	
<i>Acroneuria flavescens</i>	L	I	1	Dimick unpub		
<i>Isoneria dicola</i>	L	II	2	Hils 1982		
<i>I. signata</i>	L	I	1	"		
<i>Isoneria anoka</i>	L	II	2	Kub 2016		
<i>Ephemerella subvaria</i>	L	III	3	"		
<i>Tetoganopsis deficiens</i>	L	II	2	"		
<i>Epeorus vitreus</i>	L	I	1	"		
<i>Maccaffertium</i>	L	II	2	"	imm	N
<i>M. modestum</i>	L	I	1	"		
<i>Microserma rusticum</i>	L	II	2	Hils 1985		
<i>Glossosoma intermedium</i>	L	I	1	Wym Mpr 2000		
<i>Procladius</i>	L	II	2	Hils 1995		
<i>Ephemerellidae</i>	L	I	1	Kub 2016	imm	N
<i>Cheumatopsyche</i>	L	II	2	Hils 1995		
<i>Ceratopsyche branta</i>	L	I	1	Schm Hils 1986		
<i>C. spuma</i>	L	II	2	"		
<i>C. walkeri</i>	L	III	4	"		
<i>Leuctrochiria protipes</i>	L	I	1	Hils 1995		
<i>Chimarra</i>	L	I	1	"	imm	N
<i>C. sociata</i>	L	I	1	Hils 1982		
<i>Psychomyia flavida</i>	L	II	2	Hils 1995		
<i>Optiosecurus</i>	L	II	2	Hils Schm 1992	imm	N
<i>O. trivittatus</i>	L	III	17	"		
<i>Zonelmis</i>	L	I	5	"		
<i>Hemerodromia</i>	L	I	1	Court Merr 2008		
<i>Anisocha</i>	L	I	1	Hils 1995		
<i>Diranota</i>	L	I	1	"		
<i>Ferrissia nivalis</i>	A	I	1	Torp 2016		
<i>Pisidium</i>	A	I	1	Burch 1972		
<i>Spiliza Chironomidae</i>	L	III				
<i>Nilotanyx</i>	L	I	1	Corn Epl 2013	mt indet	N
<i>N. fimbriatus</i>	L	I	1	Bilton 2012		
<i>Rhyacophila acra group</i>	L	III	4	Epler 2001		
<i>Thienemannimyia group</i>	L	I	1	Corn Epl 2013	mt indet	N

[illegible]