

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LILY RIVER		Waterbody ID Code 370900	Sample ID (YYYYMMDD-CY-FD) 20190926ULRIV
Sampling Location 169 meter U/S CTH A (Start of Station)			Database Key 207258436 -34-01
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 <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) WOLF RIVER		Watershed Name LILY RIVER	County LANGLADE

Sample and Site Descriptors

Sample Collector (Last Name, First) ALAN WIRT	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 23 m	Estimated Area Sampled (m ²) 4	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) 14.5	D.O. (mg/l) 9.24	D.O. (% sat.) 90.8	pH (su) 8.03	Conductivity (umhos/cm) 231.7	Transparency (cm) 120
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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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 80	Gravel (ladybug to tennisball): 20
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) 40	Canopy Cover at Sample Site (%) 30
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Stream and Watershed Descriptors

N = Not a problem

PL = Present, Low Impact

U = Uncertain

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					
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Noas, Enc	Taxonomist Dimick, Jeffery	Estimated Percent of Sample Sorted 10%
Date Processed 10-14-2020	Specimens Saved Subsample archived in ABL until Nov 2023	

A363 0362 A361 0361 A364 0363
26 28 29 13 27 15 = 132

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna pygmaea</i>	L	I	1	Klub 2016		
<i>Baetis flavistriga</i> species complex	L	III	4	"		
<i>Ismaea arcta</i>	L	I	1	"		
<i>Caenis anceps</i>	L	I	1	"		
<i>Tetragomphus debilis</i>	L	III	4	"		
<i>Leuctropterus</i>	L	II	2	Merrillum B 2019		
<i>Maccaffertium</i>	L	III	4	Klub 2016	imm	N
<i>M. medipunctatum</i>	L	I	1	"		
<i>M. modestum</i>	L	I	1	"		
<i>M. vicarium</i>	L	II	2	"		
<i>Paraleptophlebia</i>	L	III	3	"	imm	
Perlidae	L	I	1	Merrillum B 2019	imm	N
<i>Acrocnemia lycarria</i>	L	I	1	Hitch 1974		
<i>Protophila</i>	L	III	3	Merrillum B 2019		
<i>Glossosoma</i>	L	I	1	"	imm	
<i>Ceratopsyche branta</i>	L	II	2	Schmitt 1986		
<i>C. morosa morosa form</i>	L	II	2	"		
<i>C. walkeri</i>	L	I	1	"		
<i>Microserma rustrum</i>	L	I	1	Hils 1985		
<i>Leuctrotrichia pictipes</i>	L	I	1	Hils 1985		
<i>Mystacides sepulchralis</i>	L	I	1	Yamawigg 1964		
<i>Oereticus</i>	L	I	1	Merrillum B 2019	imm	
<i>Setodes</i>	L	I	1	"	imm	
<i>Chimarra</i>	L	III	3	"	imm	
<i>C. socia</i>	L	I	1	Hils 1982		
<i>Psychomyia flava</i>	L	III	3	Hils 1985		
<i>Nigrala semicornis</i>	L	I	1	Nauzig 1966		
<i>Onicoservus</i>	L	III	3	Merrillum B 2019	imm	N
<i>O. trivittatus</i>	L	X-III	18	Hils Schum 1992		
<i>Stenelmis</i>	L	-III	9	Merrillum B 2019		N
<i>S. crenata</i>	A	I	1	Hils Schum 1992		
<i>Psephenus herricki</i>	L	I	1	"		
<i>Hemerodromia</i>	L	III	4	Merrillum B 2019		
<i>Antocha</i>	L	II	2	"		
<i>Hyalella azteca</i>	A	I	1	Sorek et al 2015		
Tubificinae (with hairs)	A	I	1	Kath Brin 1998		Y
Tubificinae (without hairs)	A	III	3	"		Y

Taxonomist: Dimick, Jeffrey

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