



**LITTLE MIAMI**  
CONSERVANCY

Bringing Life Back to the Little Miami State and National Scenic River

Jason Brownknight  
Executive Director

[www.littlemiami.org](http://www.littlemiami.org)

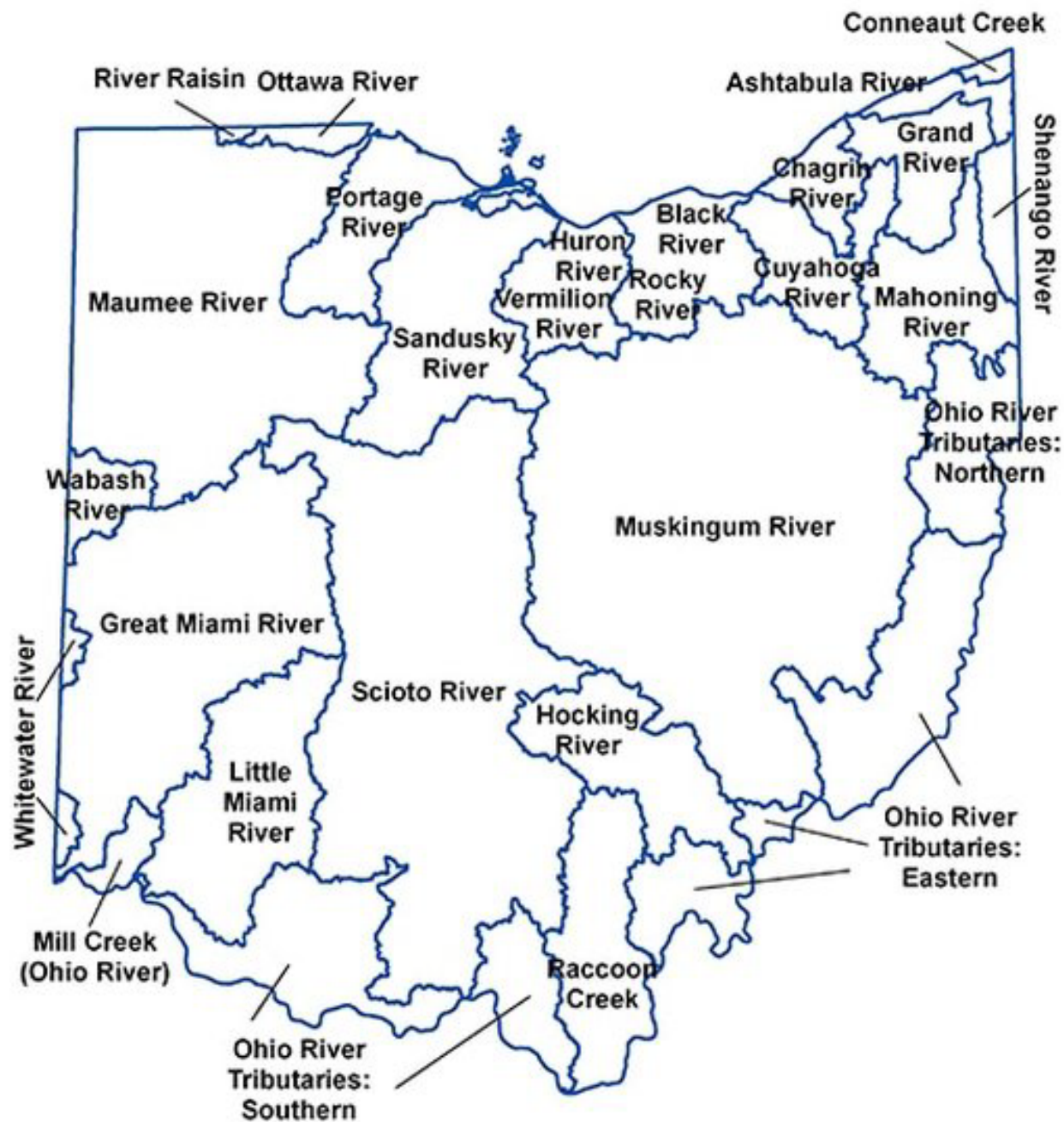


Our Mission is to:



Provide the leadership, resources, and public engagement necessary to protect and restore the Little Miami State and National Scenic River.

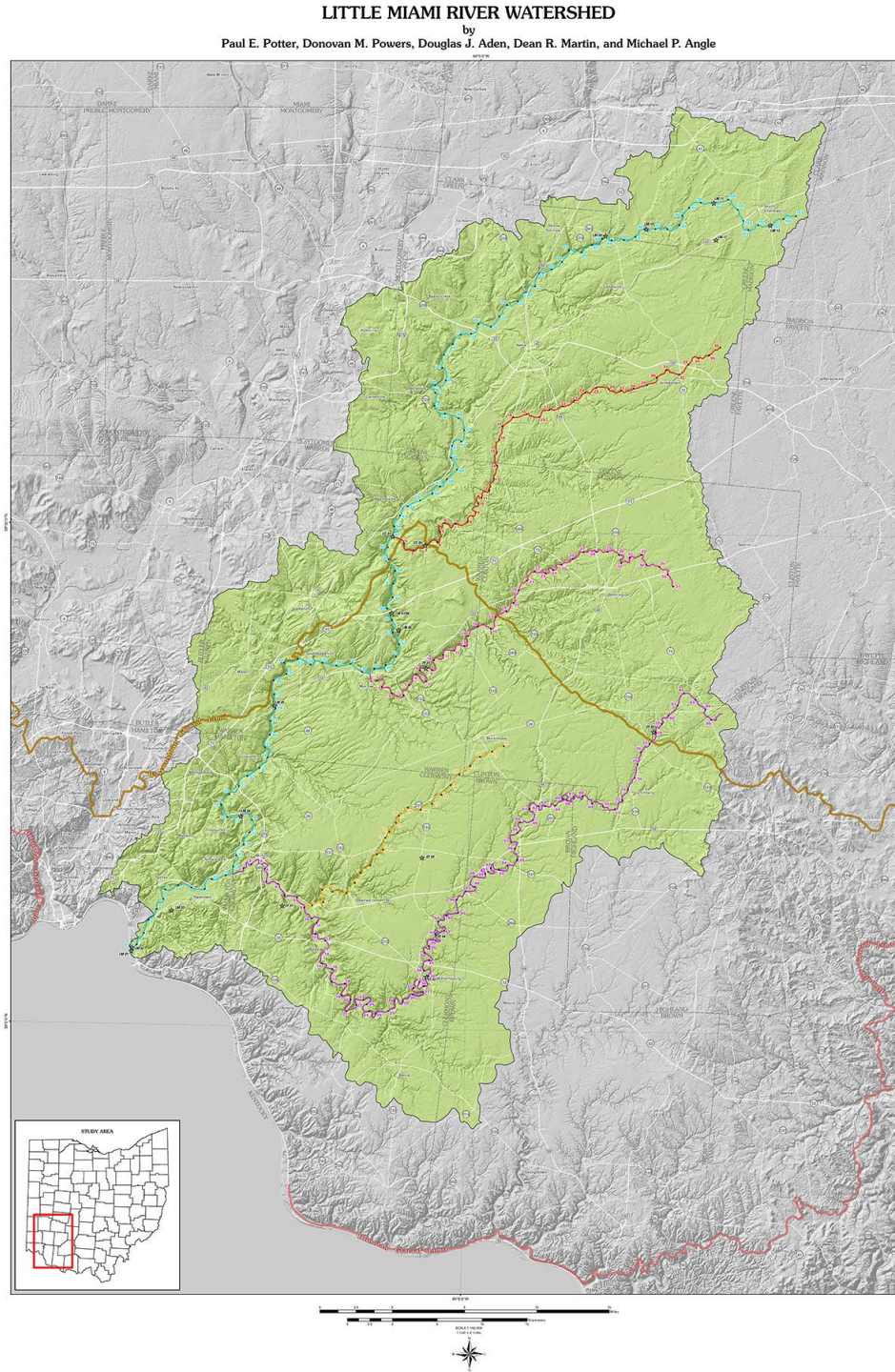




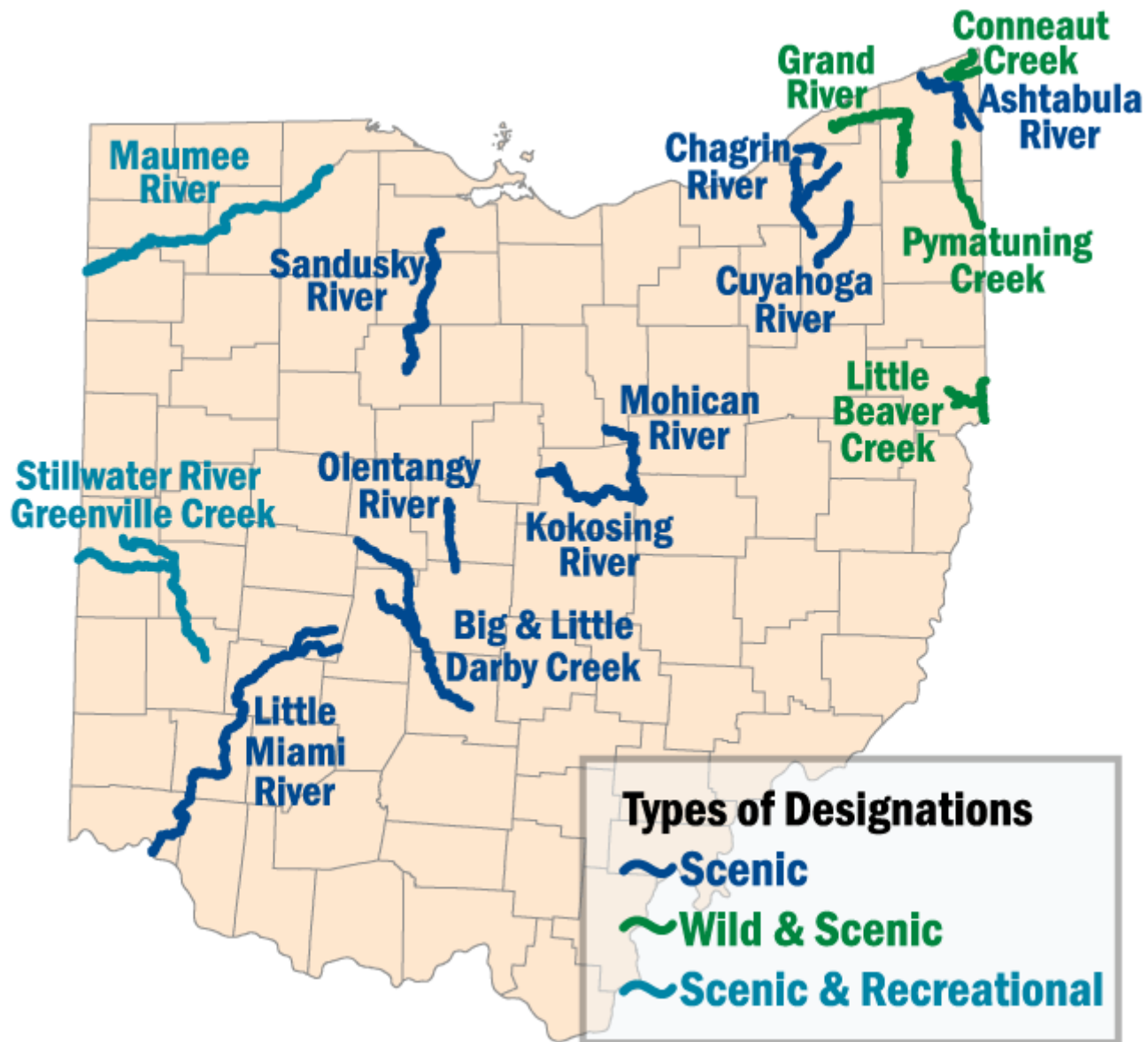
# Little Miami State and National Scenic River

Drains through 11 counties  
spanning over 1.1 million  
acres.

Mainstem is ~107 miles long











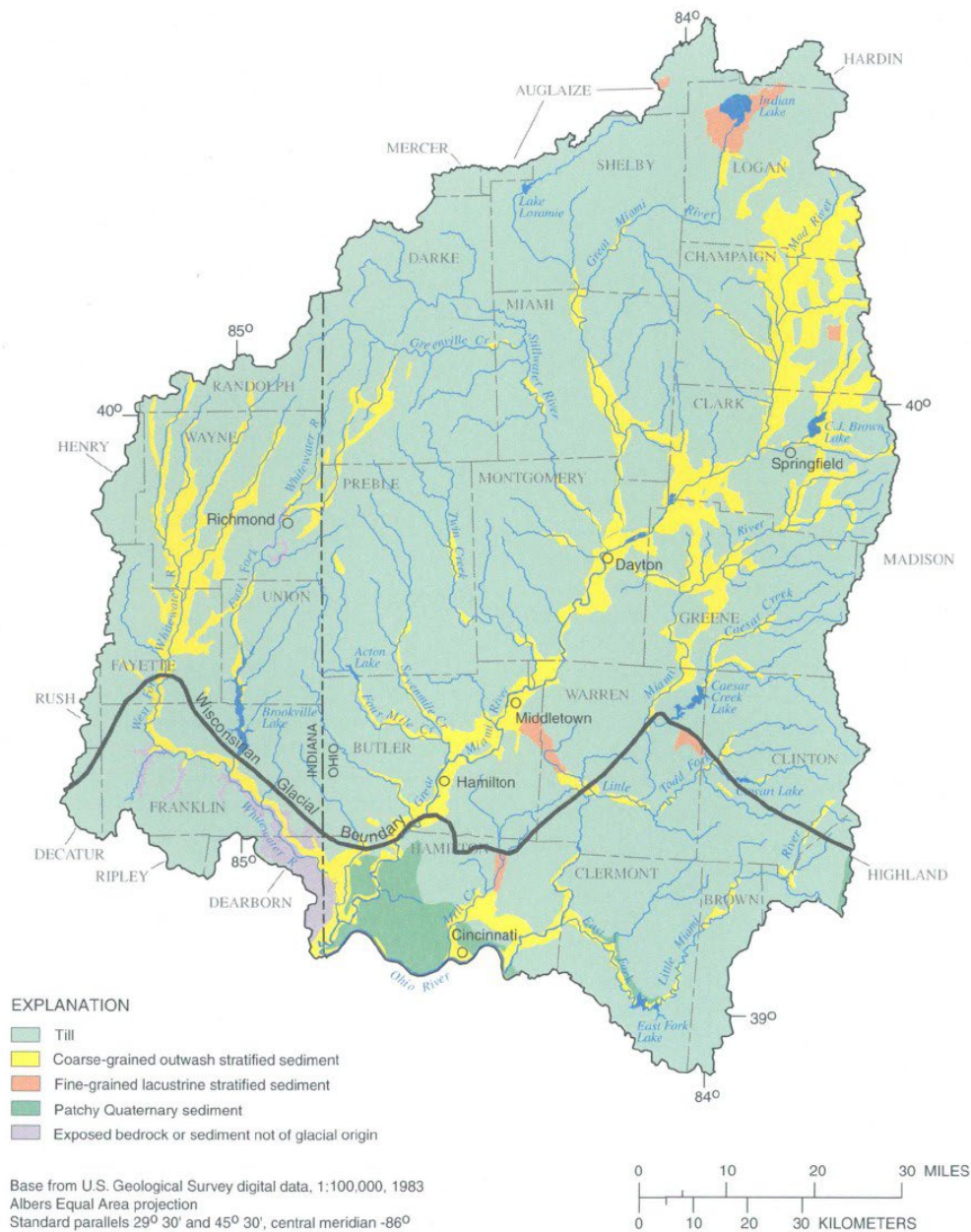




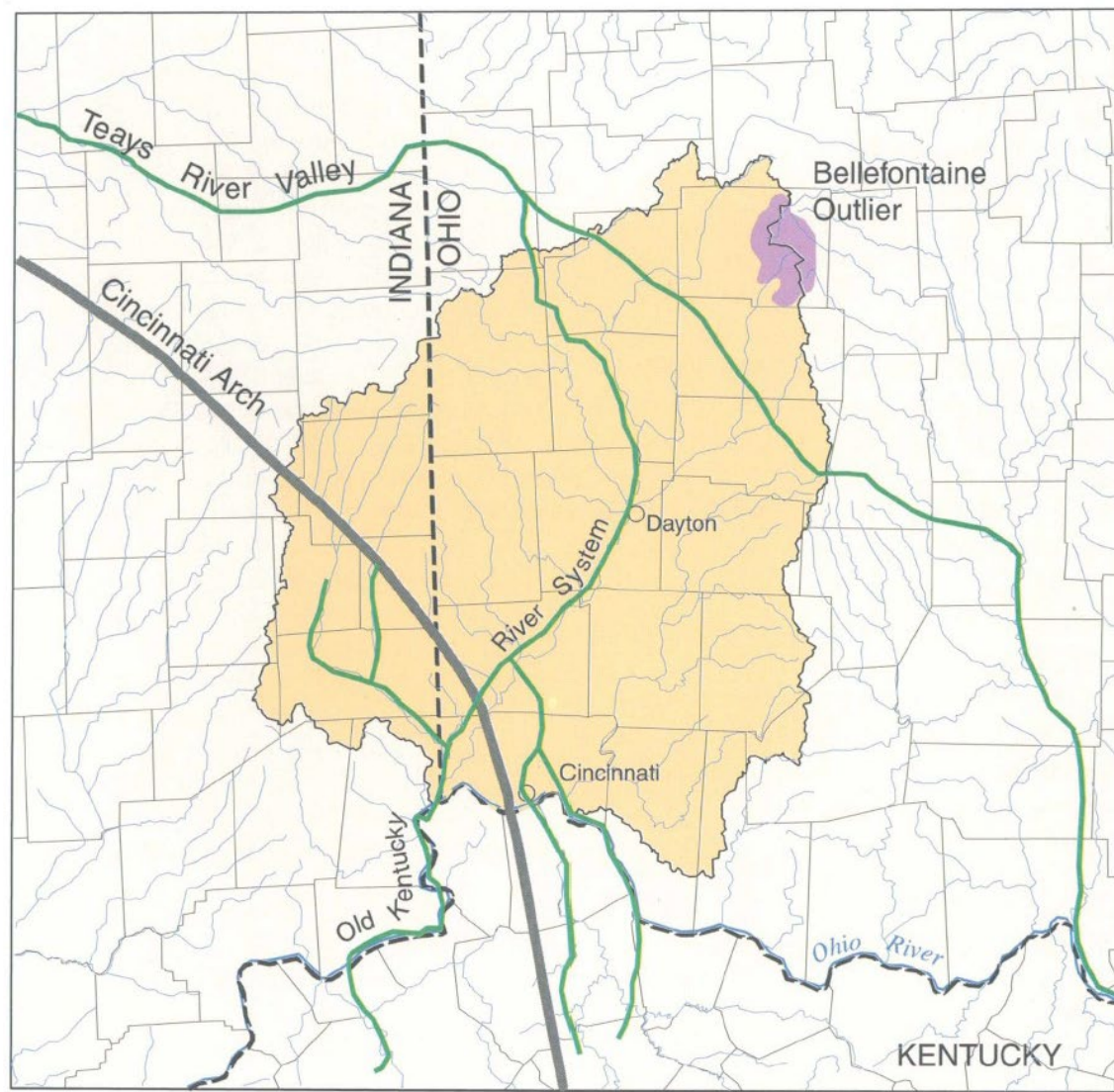








**Figure 7.** Generalized glacial geology in the Great and Little Miami River Basins, Ohio and Indiana. Exposed glacial deposits of Illinoian age are restricted to the southernmost part of the study area; the boundary marking the southernmost advance of the Illinoian ice sheets is south of the study area. (Data from Soller, 1993, 1998.)



#### EXPLANATION

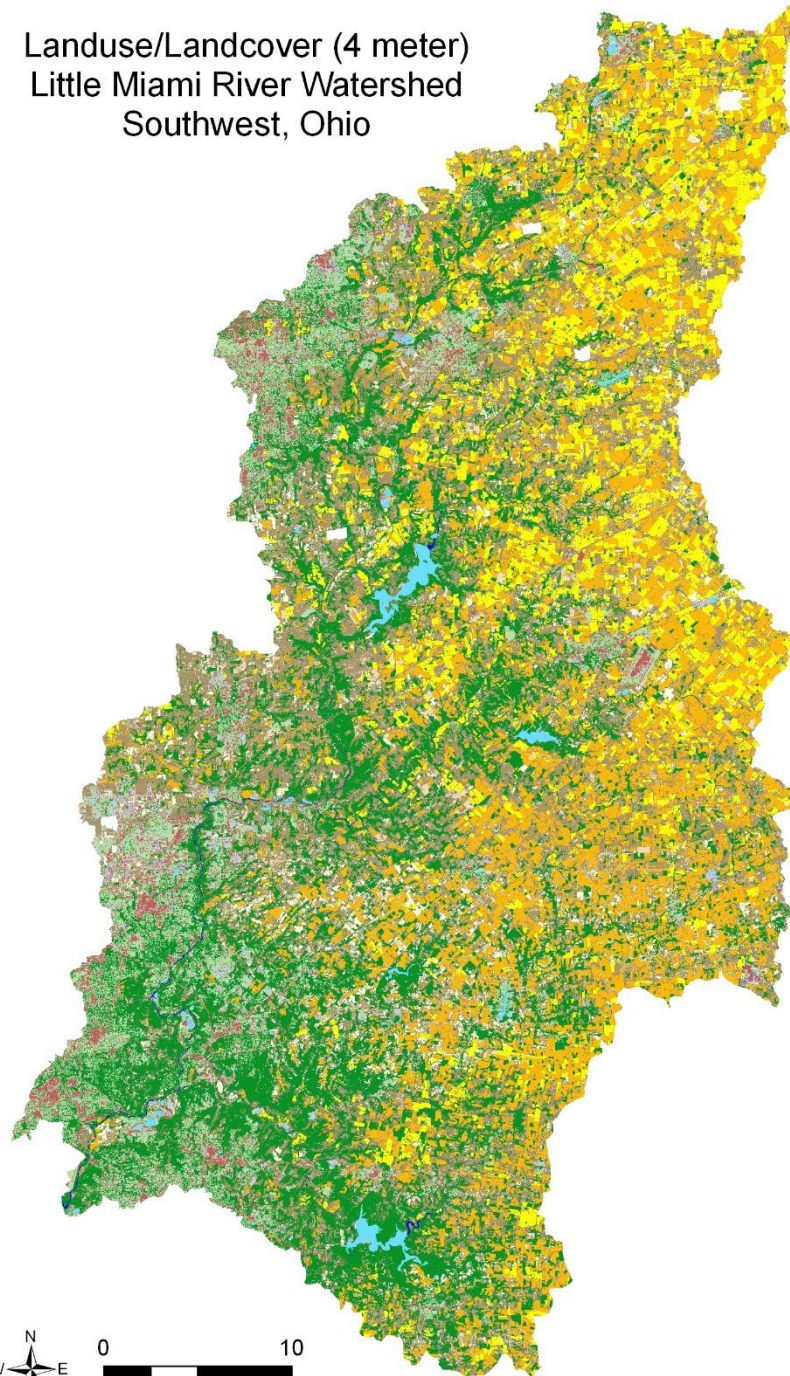
- Great and Little Miami River Basin
- Bellefontaine Outlier
- Teays River Valley and tributaries
- Axis of geologic structural arch

**Figure 5.** Structural geology of the Great and Little Miami River Basins and surrounding area. (Modified from Goldthwait, 1991; Teller and Goldthwait, 1991; Gray, 1991; Melhorn and Kempton, 1991.)



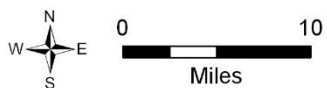
Landuse/Landcover (4 meter)  
Little Miami River Watershed  
Southwest, Ohio

LMR Watershed



**Landuse/Cover Classes**

-  -99: Background
-  1: Lentic
-  2: Lotic
-  3: Forest
-  4: Corn
-  5: Soybean
-  6: Wheat
-  7: Dry Herbaceous
-  8: Grass
-  9: Urban Barren
-  10: Rural Barren
-  11: Urban/Built
-  99: Unclassified







Having a Pleasant Boat Ride on Little Miami.



No. 748. Little Miami River. NEAR LOVELAND, OHIO.



Just Fishing in the Little Miami, MILFORD, OHIO.







Little Miami River Bend looking toward Milford, Ohio.



- *Milford 1917*

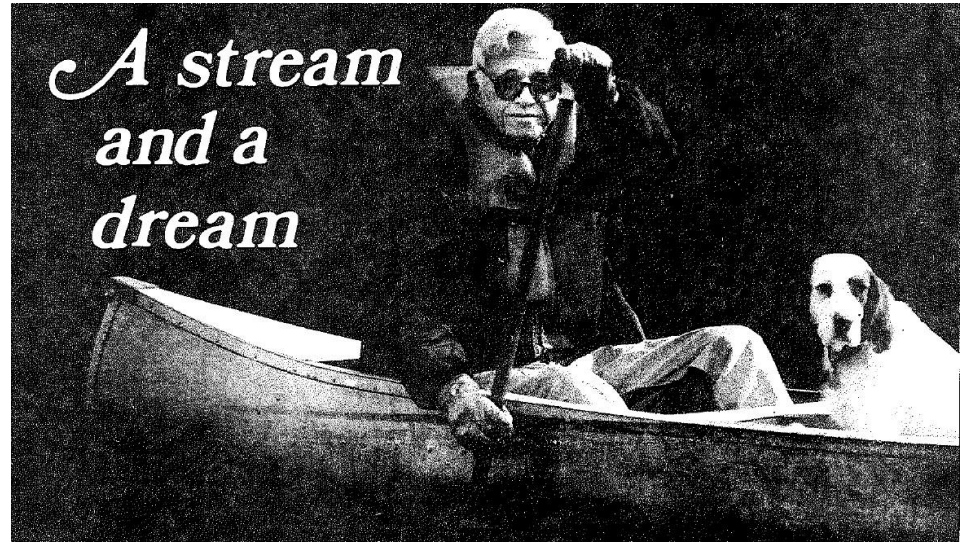


# Over 55 years of River Conservation

Little Miami Conservancy

“Someday, a **corridor of green** will stretch from one end of the river to the other. Individuals and families will enjoy the peace and quiet and restoration of spirit that comes with clean water, birds, and trees.”

Glenn Thompson













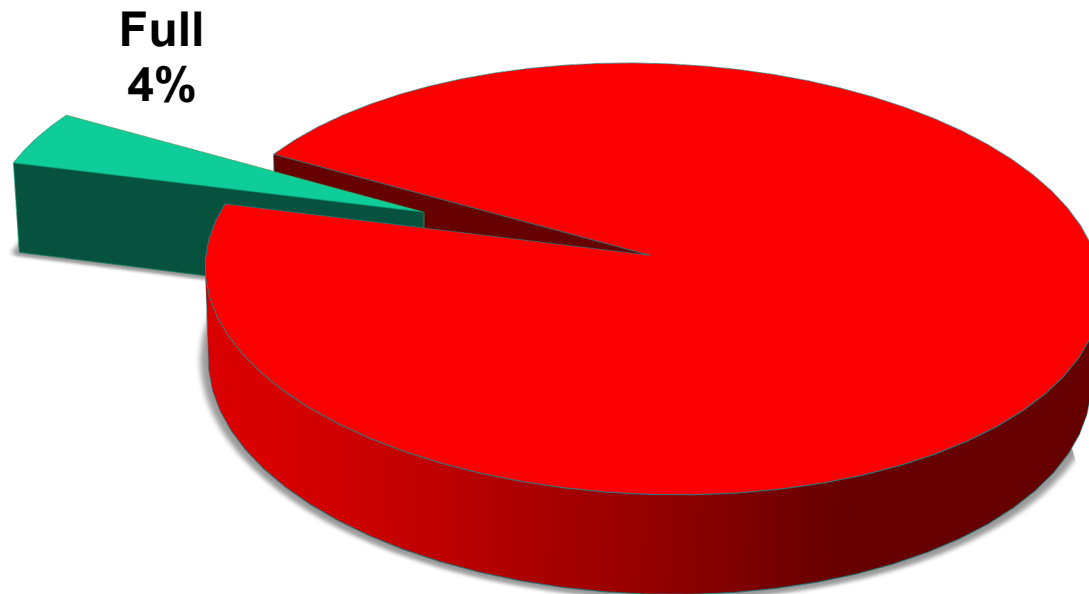




1971 River Clean up

# 1982 Attainment Status

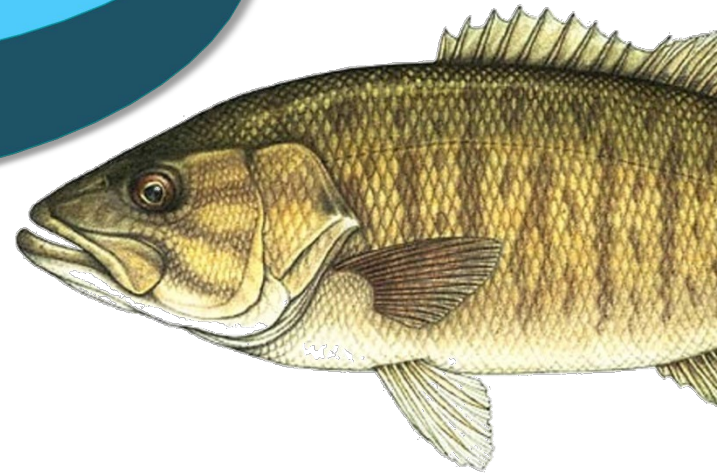
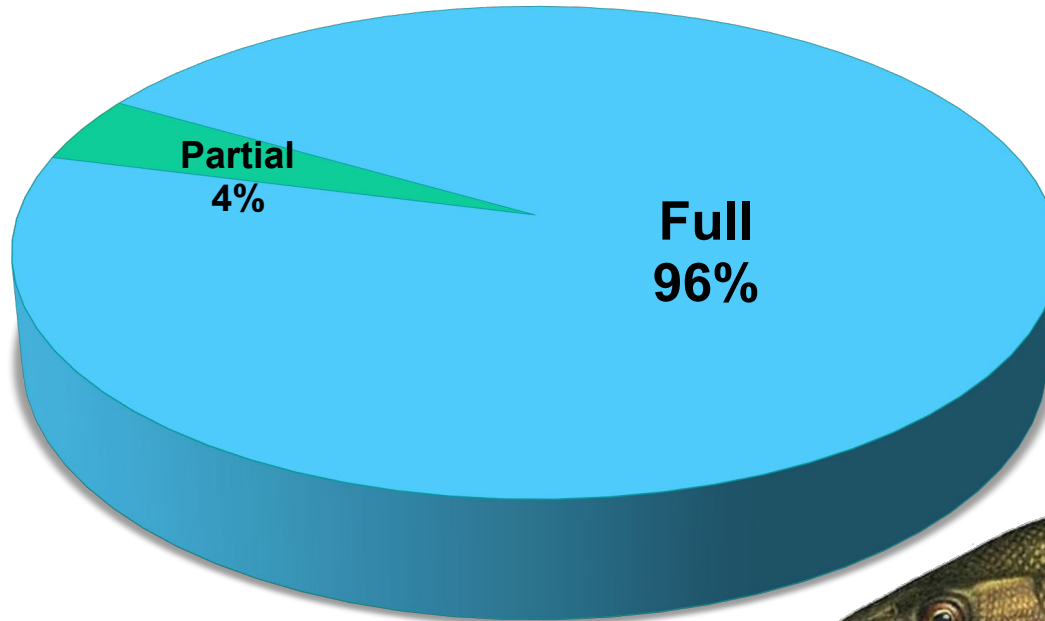
Little Miami National Wild & Scenic River (OEPA)





# 2007 Attainment Status

Little Miami National Wild & Scenic River (OEPA)

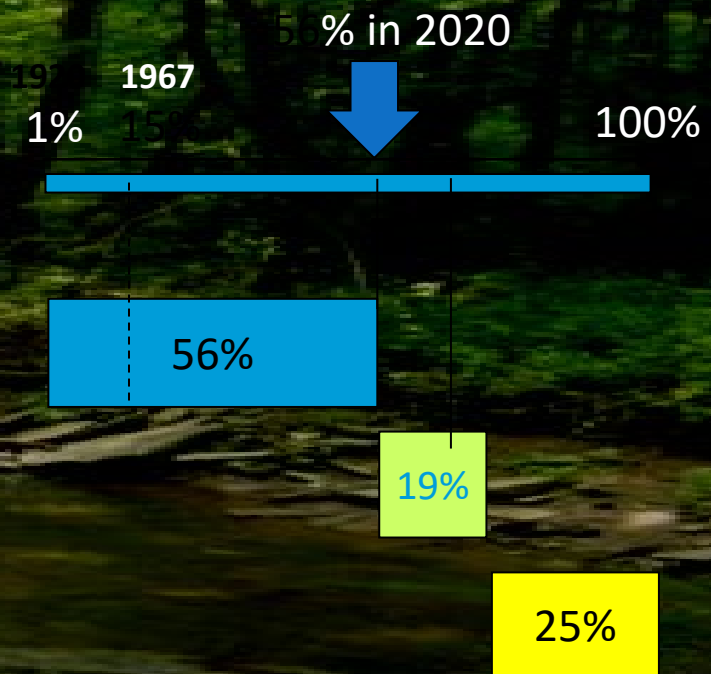


# Little Miami National Wild & Scenic River Protection

## ■ Little Miami Scenic River Riparian Zone

- Protected through Ownership 56%
- Buffer Zoning 19%
- No Formal Protection 25%

*Pitchin Road to Mouth as of Jan 1, 2020  
(along lower 89 miles)*



**LMC Protects over 2,200 acres  
Primarily within the Little Miami River Valley.**

















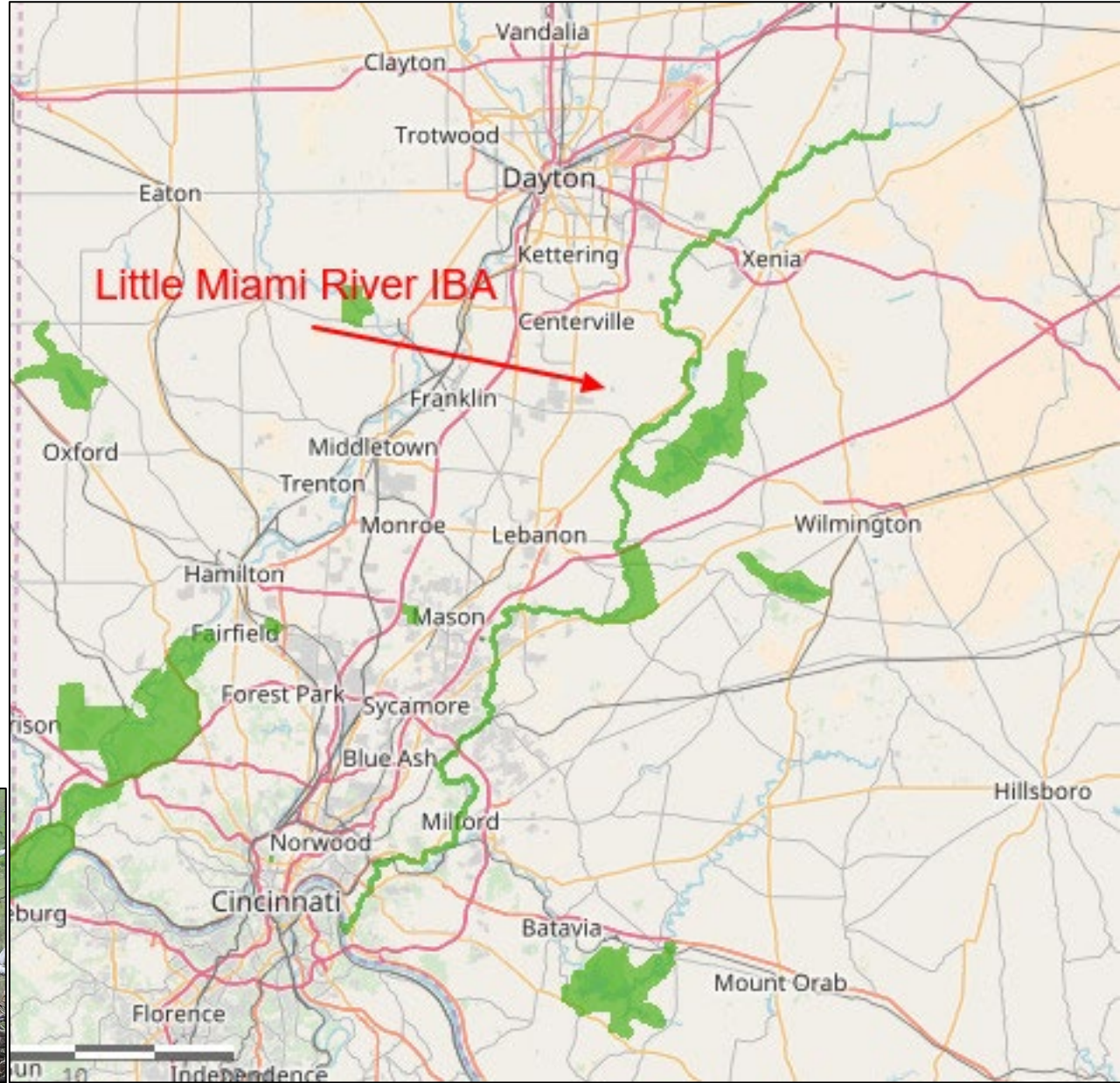






## Important Bird Area

Over 250 Species  
of Birds  
Utilize the Little  
Miami River







Little Miami Conservancy Bald Eagle Cam – Watch on YouTube and Facebook

<https://www.youtube.com/watch?v=fm4SSpxDkLQ>



Little Miami Conservancy  
Bald Eagle Nest Camera #1  
[www.littlemiami.org](http://www.littlemiami.org)

2022-06-29 Wednesday 15:59:36



Little Miami Conservancy Bald Eagle Cam – Watch on YouTube and Facebook

<https://www.youtube.com/watch?v=fm4SSpxDkLQ>





# Little Miami Conservancy

Wild & Scenic River Conservation Since 1967





# *Freshwater Mussel Bio-Monitoring!*





# *eDNA Fish Sampling*





# Potential of mapping dissolved oxygen in the Little Miami River using Sentinel-2 images and machine learning algorithms

Eric Ariel L. Salas<sup>a,\*</sup>, Sakthi Subburayalu Kumaran<sup>a</sup>, Eric B. Partee<sup>b</sup>,  
Leeoria P. Willis<sup>a</sup>, Kayla Mitchell<sup>a</sup>

<sup>a</sup> Agricultural Research Development Program (ARDP), Central State University, Wilberforce, OH, 45384, USA

<sup>b</sup> Little Miami Conservancy, Loveland, OH, 45140, USA

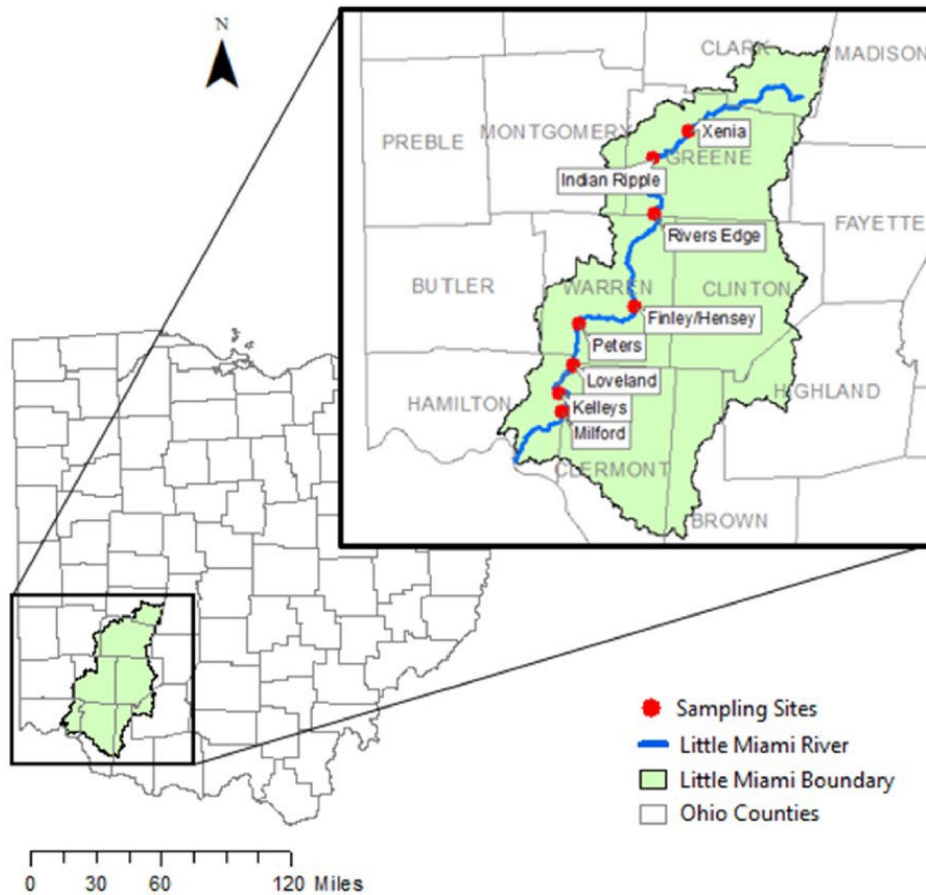


Fig. 1. The Little Miami River (LMR) is located in southwestern Ohio in the Ohio River drainage basin.















# Thank You

You can help by visiting [www.littlemiami.org](http://www.littlemiami.org) to learn more about our upcoming programs and projects.

Jason Brownknight

Executive Director

Little Miami Conservancy

513-578-2104

[brownknight@littlemiami.org](mailto:brownknight@littlemiami.org)