

Buffalo Quarry

The Country's First Gray Bat
Mitigation Bank



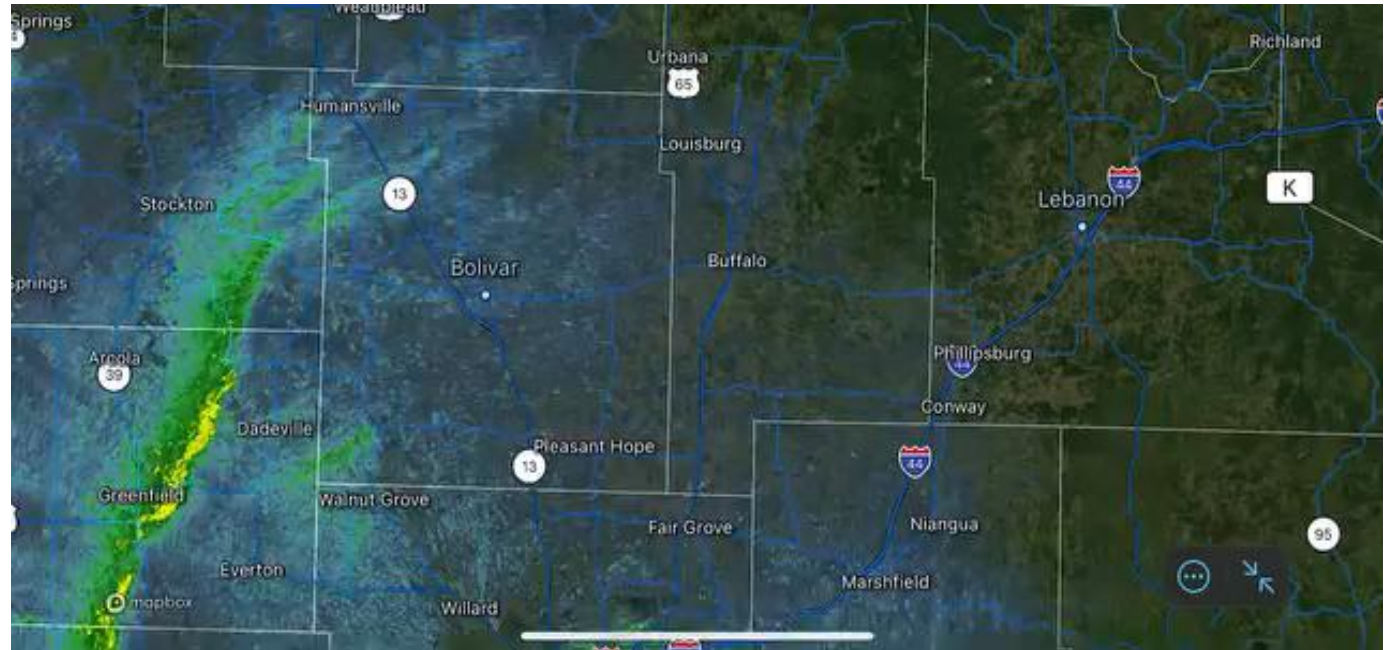
Buffalo Quarry Gray Bat Mitigation Bank



Buffalo Quarry Gray Bat Mitigation Bank RIBITS Site

History of Buffalo Quarry

1. Has been inactive since about 1985.
2. After the quarry went inactive it filled with water and became a prime habitat for the gray bat.
3. Population discovered by National Weather Service Radar in Springfield, Missouri
4. Liberty purchased Buffalo Quarry in December of 2019



Liberty and USFW

1. Summer Surveys
2. Winter Surveys
3. Creating Buffalo Quarry Gray Bat Mitigation Bank
 - Habitat Management
 - Conservation Easements
 - Property Security
4. Successful Completion



Winter Surveys

Hibernaculum for Gray Bats, Tricolor Bats, and Big Brown Bats



Buffalo Quarry Gray Bat Mitigation Bank RIBITS Site



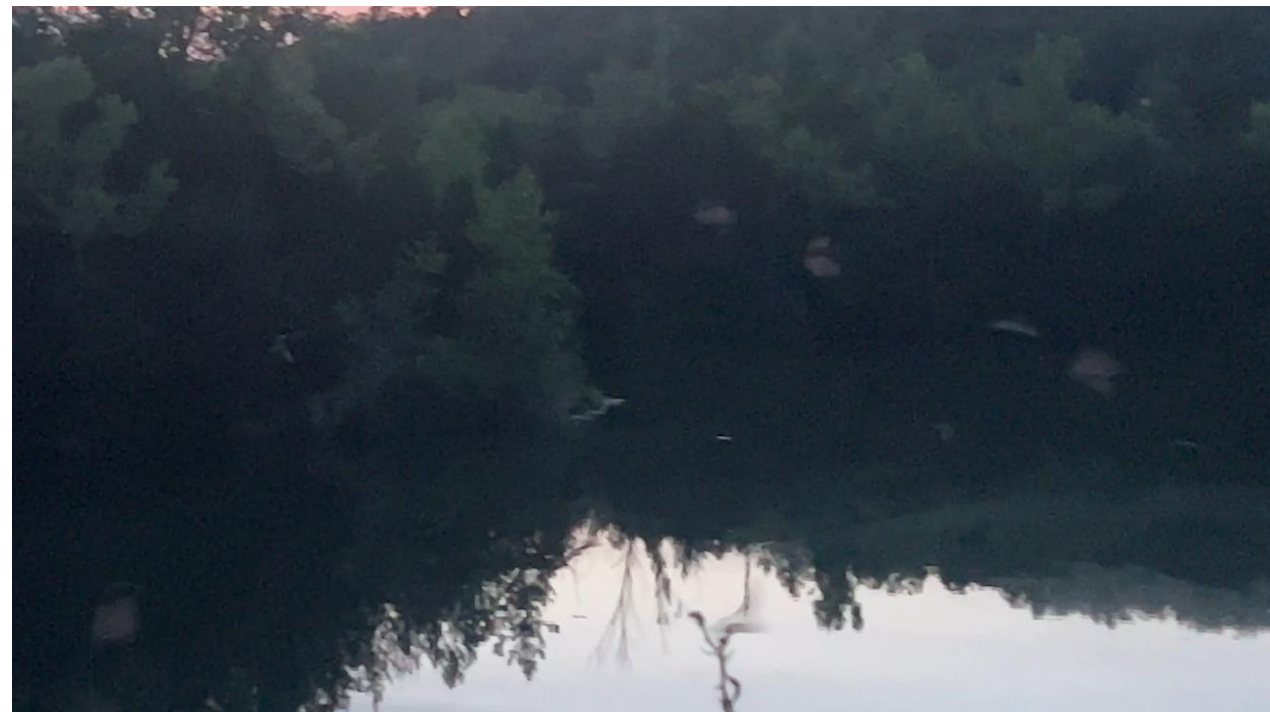
Summer Surveys



Buffalo Quarry Gray Bat Mitigation Bank RIBITS Site



Emergence



Buffalo Quarry Gray Bat Mitigation Bank RIBITS Site



Proposed Delisting

- On April 16th, 2025 USFWS provided the 5-year review of the Gray Bat Endangered Species Listing.
- The report specifically calls out the preservation of maternity colonies as one of the reasons the Service is purposing the delisting of the species.
- Empire has been implementing a 10(a)1(a) research permit since 2021.
 - Data gathered on Gray bat interactions with wind turbines hadn't been studied in the past.
 - The data gather has been used by USFWS as another data point in the decision to purpose the delisting.



Thank you

Greg Jarman

Manager of Renewable and Environmental Compliance

Gregory.Jarman@Libertyutilities.com

417-625-6510



**Buffalo Quarry
Gray Bat Mitigation Bank
RIBITS Site**

