



Missouri Bat Habitat Conservation Plan

For Forestry Activities Conducted by the Missouri Department of Conservation

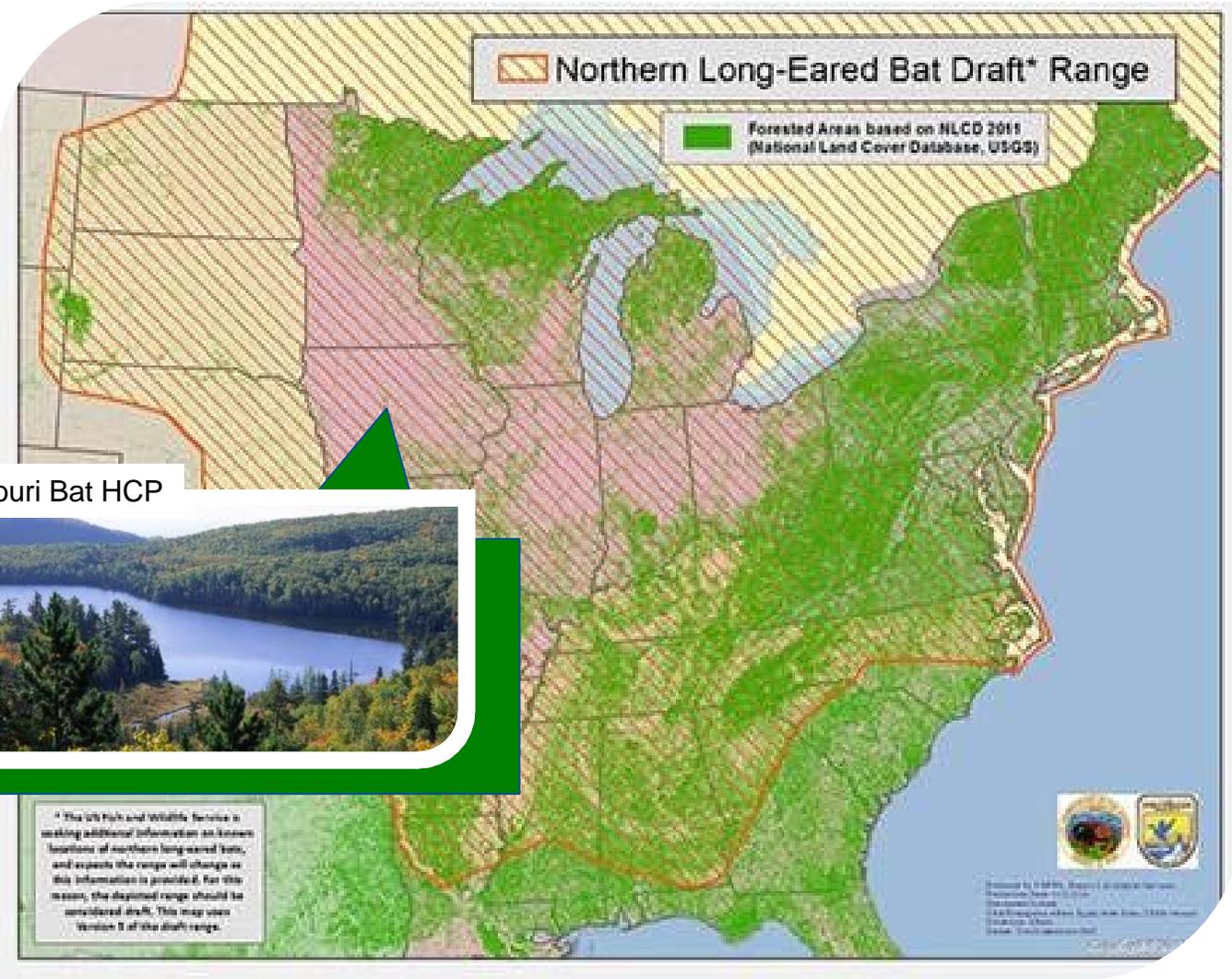
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Prepared for The National
HCP Coalition

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Missouri Forestry HCP for Bats

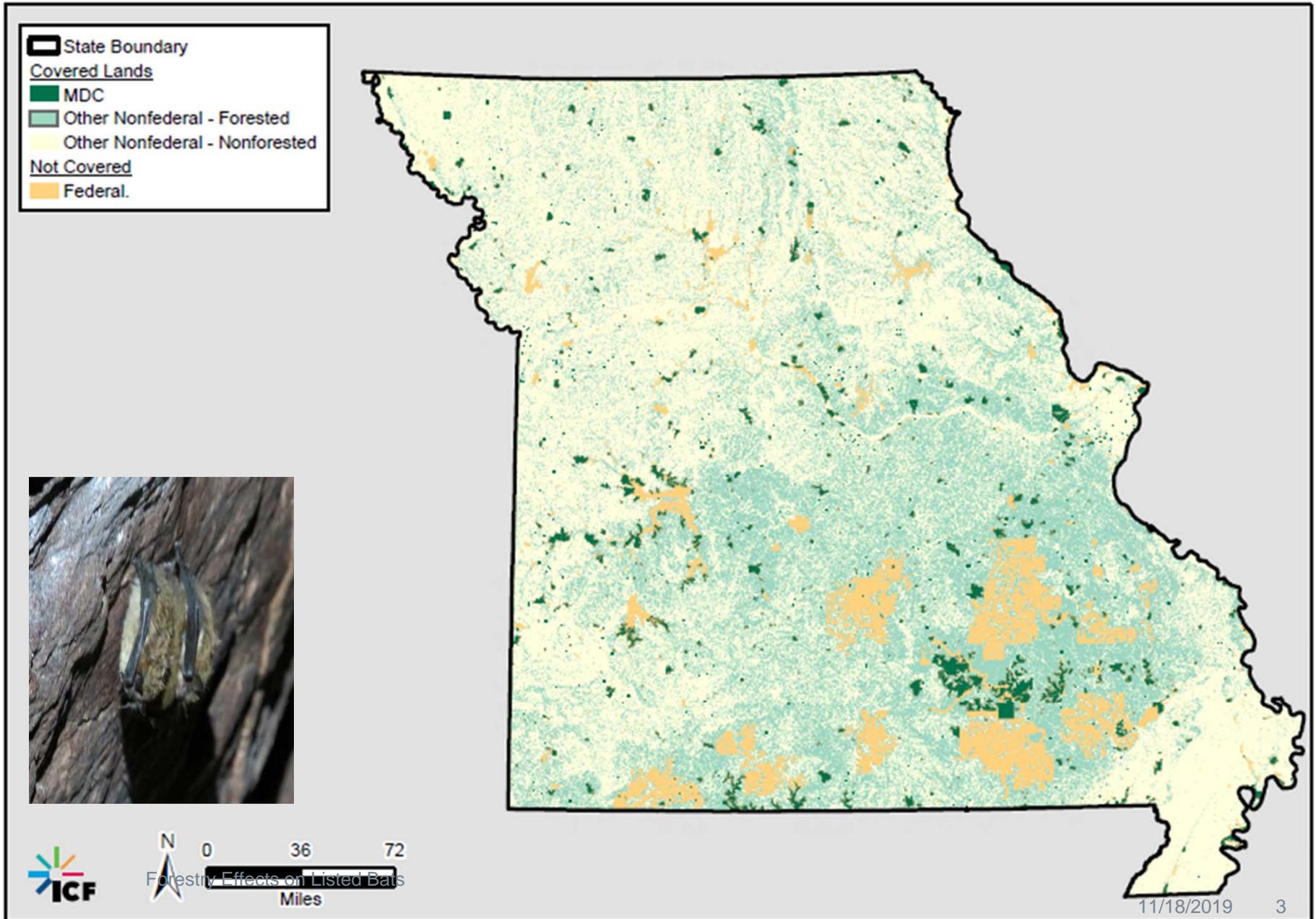


Missouri Bat HCP



- **Who?** Missouri Department of Conservation
- **When?** January 2018 - present
- **Where?** Plan Area includes State of Missouri.
- **Covered Lands?** MDC lands (1 million acres) and other nonfederal land (up to 41 million acres, 15 million acres of which are forested)
- **What?** Indiana bat, northern long-eared bat, little brown bat, tri-colored bat (Eastern pipistrelle), gray bat

Plan Area and Covered Lands



Covered Species



Indiana Bat - Endangered



Northern Long-Eared Bat-
Threatened



Little Brown Bat – 7 year
workplan



Gray Bat – Endangered



Tricolored Bat (Eastern Pipistrelle) –
Status Review



Covered Activities



Potential Impacts



- **Habitat Management**
 - *Prescribed Fire*
 - *Tree Removal*
- **Public Access and Asset Management**
 - *Tree Removal*
 - *Vehicle Operation*
 - *Demolition of Structures*



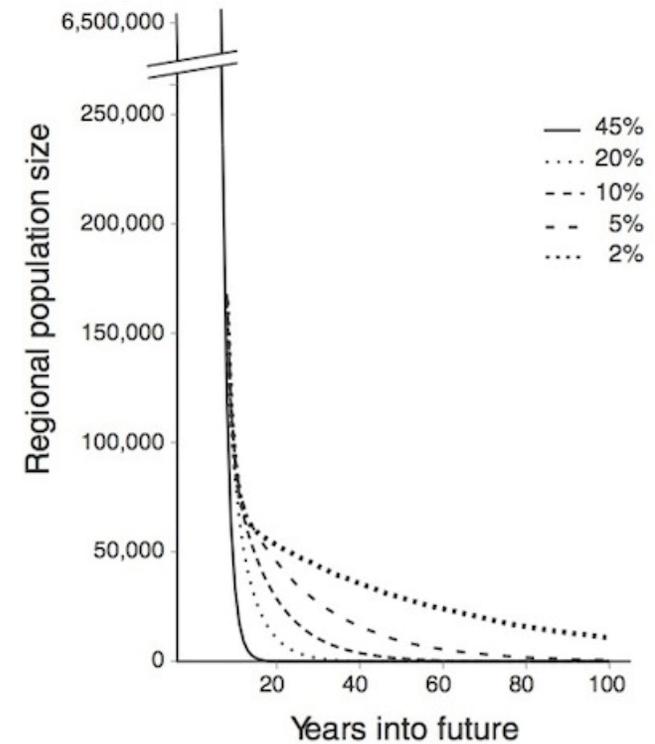
Challenges and Solutions

Problems, predicaments and the path forward



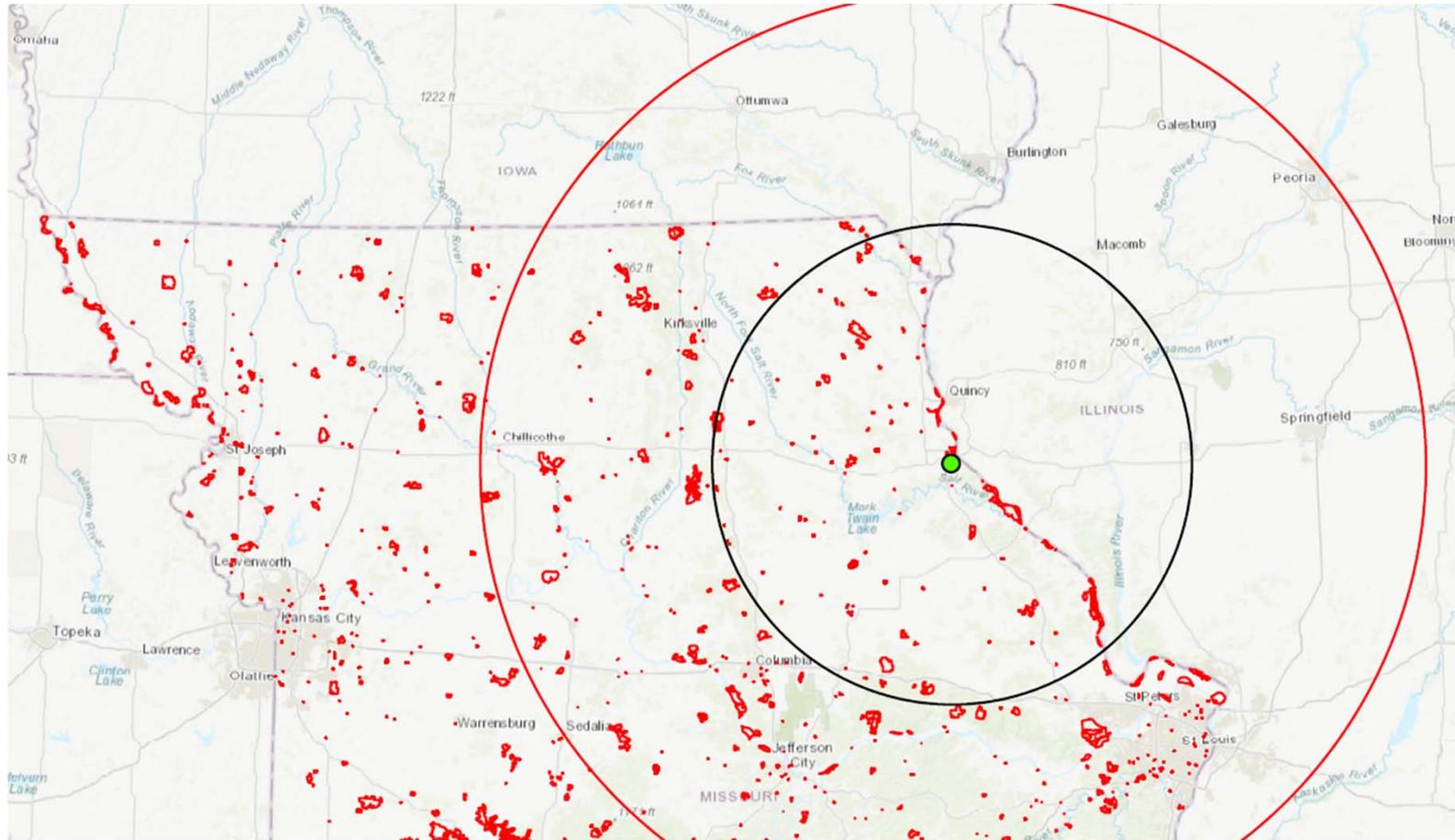
Challenges

- Staff **Turnover**
- Plan effects **unusual** relative to other HCPs
- Explaining Complexity and **Constraints** of Forestry Operations
- **Demonstrating** Impacts and Offsets Quantitatively across Metrics
- White Nose Syndrome (**WNS**) adaptive management and remedial measures



White Nose Syndrome

Proposed Hibernacula Buffers



Solutions

- **Revisit Findings and Regulatory Obligations**
- **Meet Halfway**
- **Document Decisions from Each Meeting**

- **Meet in Person**
- **Think Creatively**
- **Avoid Endless Review Cycles**



Thank You!

Please let me know if you have questions.

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