

# TEAM KENTUCKY®



ENERGY AND ENVIRONMENT CABINET  
OFFICE OF KENTUCKY NATURE PRESERVES

OKNP Natural Areas and Recovery Branch  
Jason Nally, Branch Manager

State Natural Areas Program Roundtable  
Tuesday, October 8<sup>th</sup>, 2024



[NaturePreserves@ky.gov](mailto:NaturePreserves@ky.gov)



[www.facebook.com/KentuckyNaturePreserves](https://www.facebook.com/KentuckyNaturePreserves)

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# Duties of the Office of Kentucky Nature Preserves



To secure a system of State Nature Preserves for present and future generations.

KRS 146.440



To promote scientific and spiritual values of an unspoiled natural environment.

KRS 146.410



To recognize, conserve, and restore rare and endangered plants.

KRS 146.600



To provide a clearinghouse of information on the environment, plants, and animals.

KRS 146.485

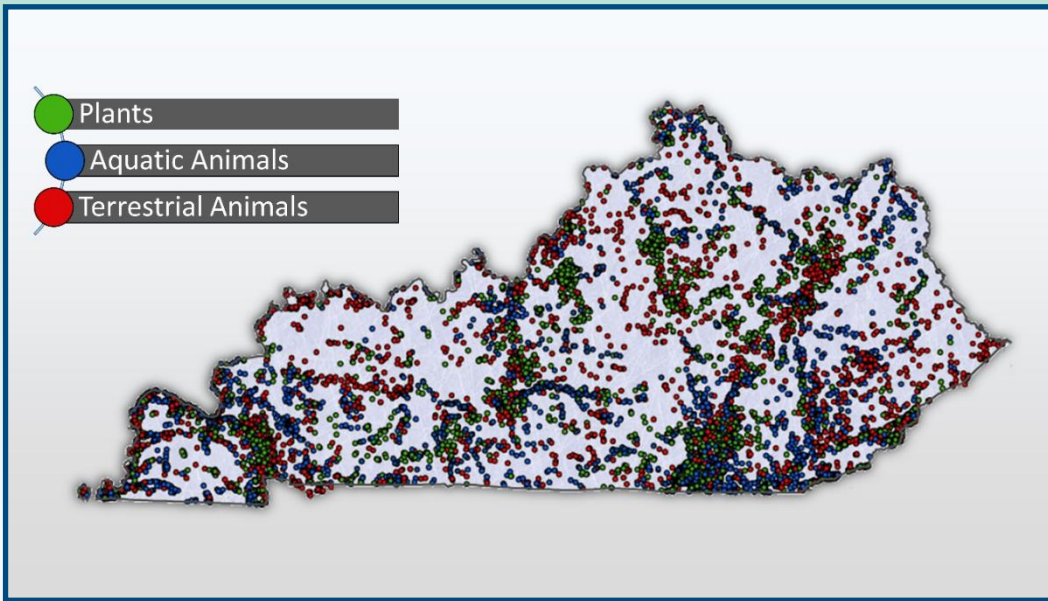


To conserve Kentucky's Wild Rivers System for ecological and recreational purposes.

KRS 146.200-360

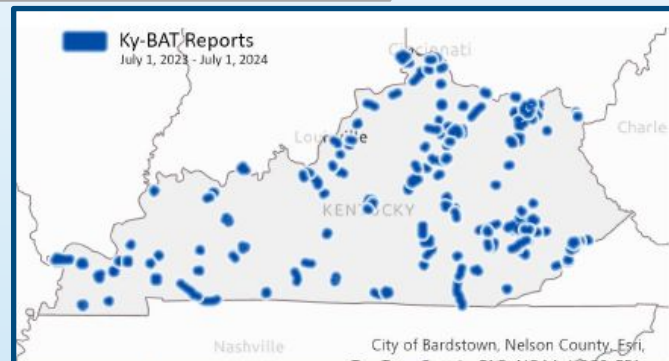
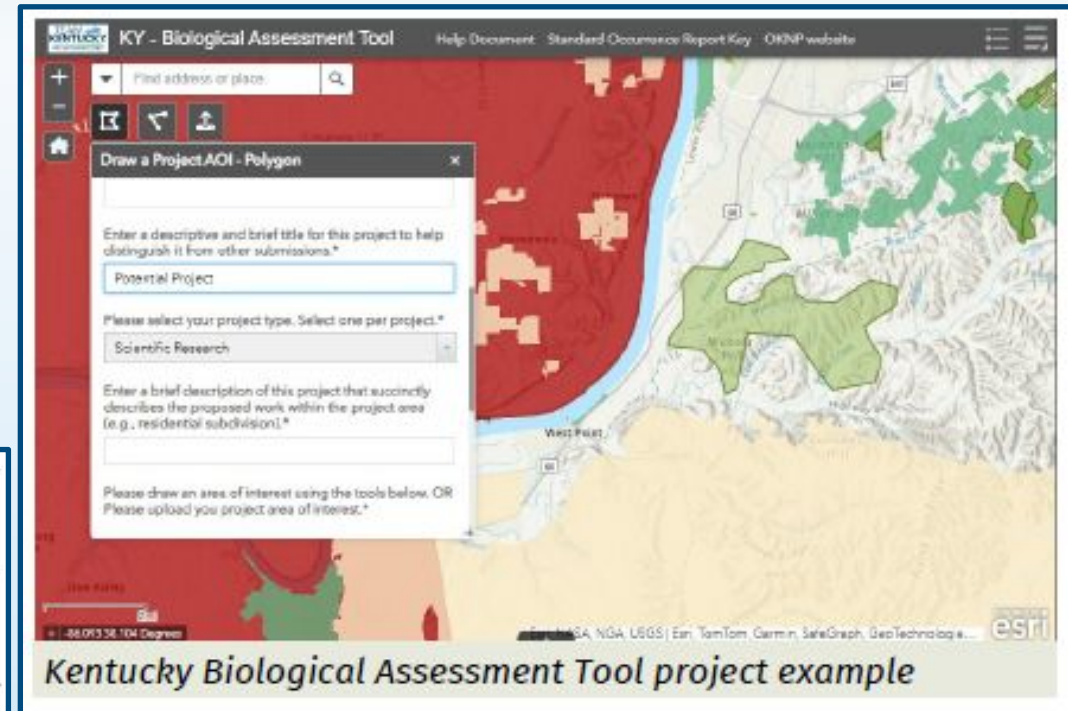


To administrate the Kentucky Heritage Land Conservation Fund's natural areas land acquisition and management program. KRS 146.550-570



The KNP Natural Heritage Database includes 20,751 high quality source features records and 16,456 element occurrence records of the 908 species and communities we track.

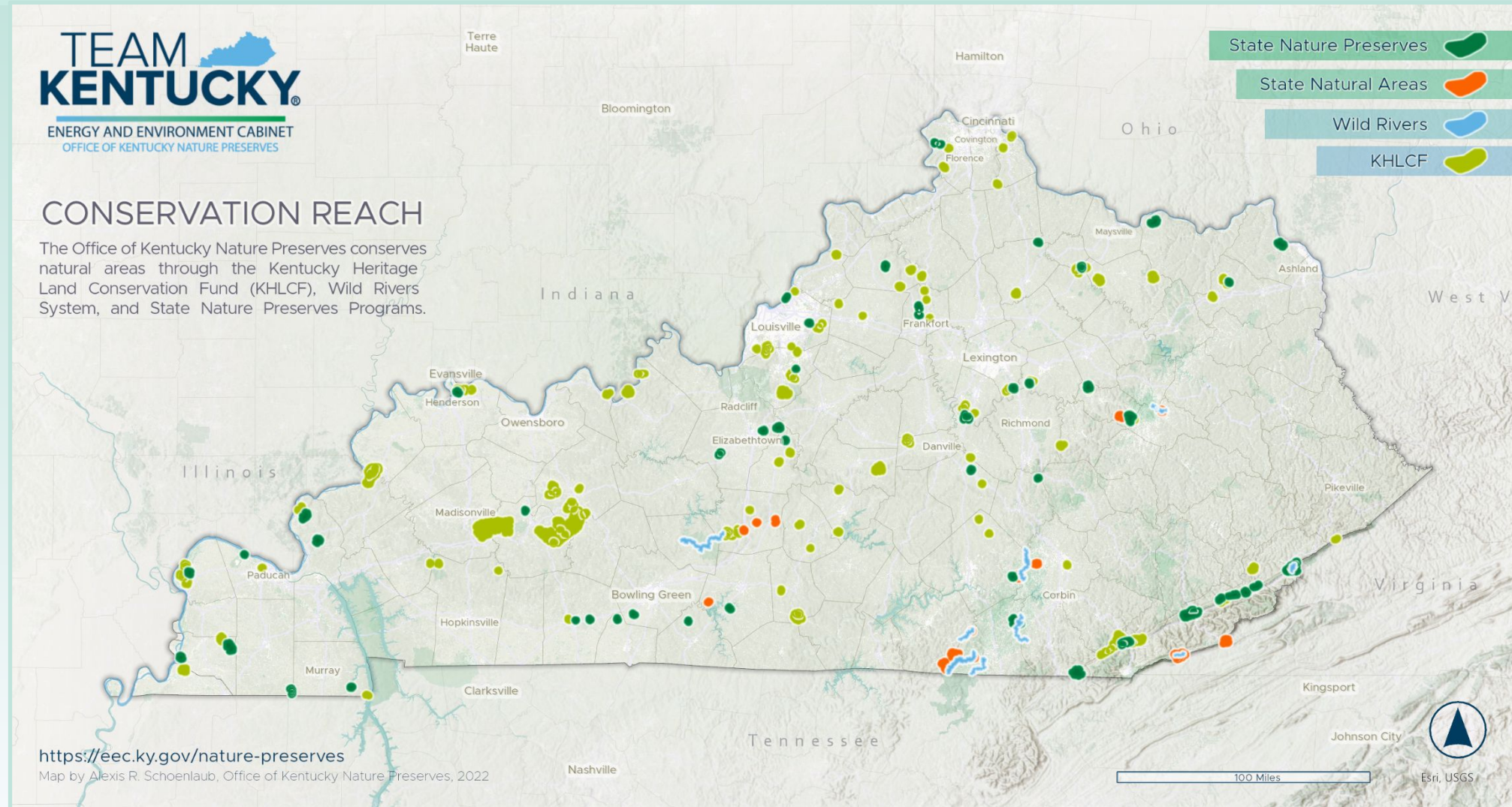
The Kentucky Biological Assessment Tool (KY-BAT) is a self-service conservation planning tool that allows customers to submit projects and receive data within minutes at [KYNaturePreserves.org](https://www.kynaturepreserves.org)



Kentucky Biological Assessment Tool Reports generated in this fiscal year

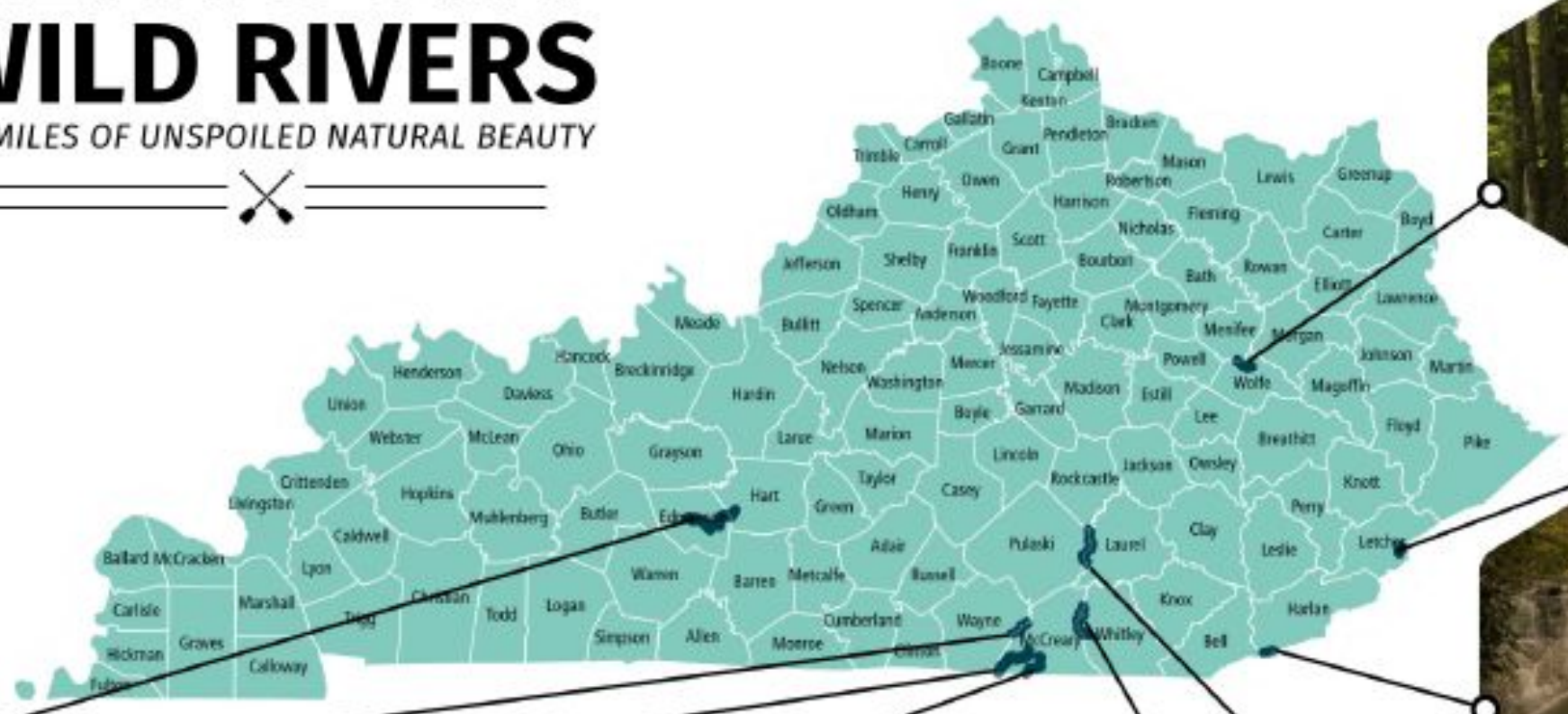
## As of July 1, 2024, Office of Kentucky Nature Preserves programs include:

- **32,419.82** acres owned or dedicated by OKNP on **70** State Nature Preserves and State Natural Areas
- **79,190.46** acres on **135** properties purchased via the Kentucky Heritage Land Conservation Fund
- **9,215.37** acres owned by private landowners and other agencies on **77** Registered Natural Areas
- **24,034.12** acres on **9** rivers that are state-designated Wild Rivers monitored by OKNP



# KENTUCKY WILD RIVERS

112 MILES OF UNSPOILED NATURAL BEAUTY



**Red River**



**Bad Branch**



**Martin's Fork**



**Green River**



**Little South Fork**



**Big South Fork**



**Rock Creek**

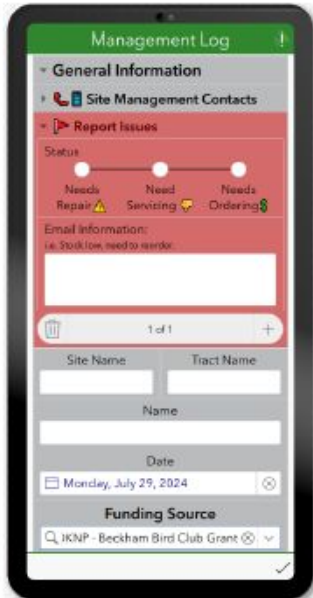
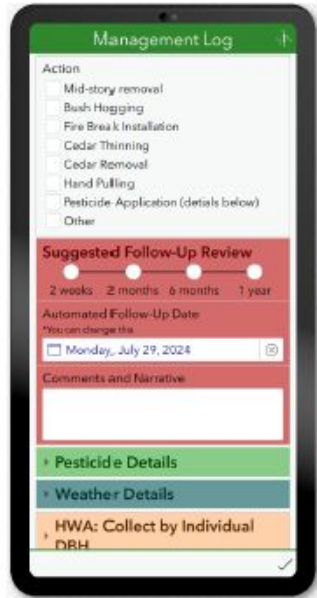


**Cumberland River**



**Rockcastle River**

# OKNP land conservation enhanced through Innovative Land Management Workflow



*OKNP preserve manager treats eastern hemlock tree for the invasive Hemlock Woolly Adelgid, an action now tracked and managed through the new Land Management Workflow*

## Management Log

**Selected record count: 44**

**Total record count: 44**

Recent 3 records in a table:

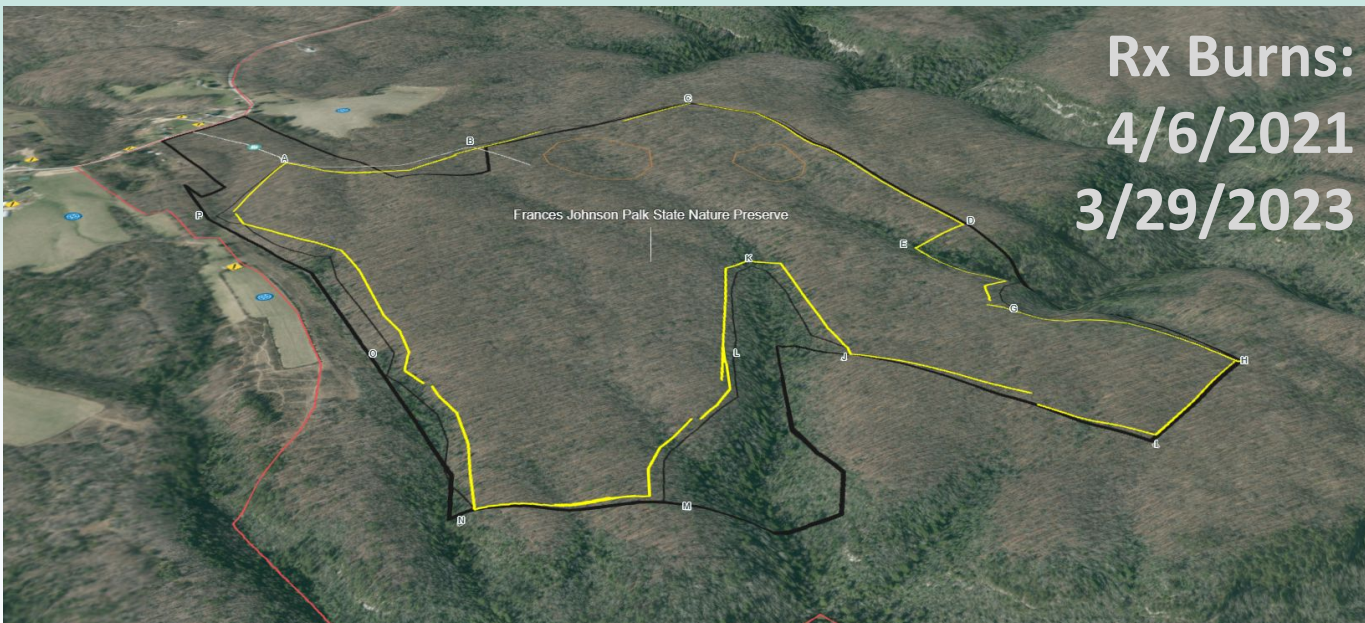
Action	Submitted by	Submitted time
Mid Story Removal	NaturePreserves@ky.gov	July 3, 2024 6:33 PM
Pesticide Application	NaturePreserves@ky.gov	July 3, 2024 6:33 PM
Mid Story Removal	NaturePreserves@ky.gov	July 2, 2024 5:47 PM

Recent 3 records on a map:



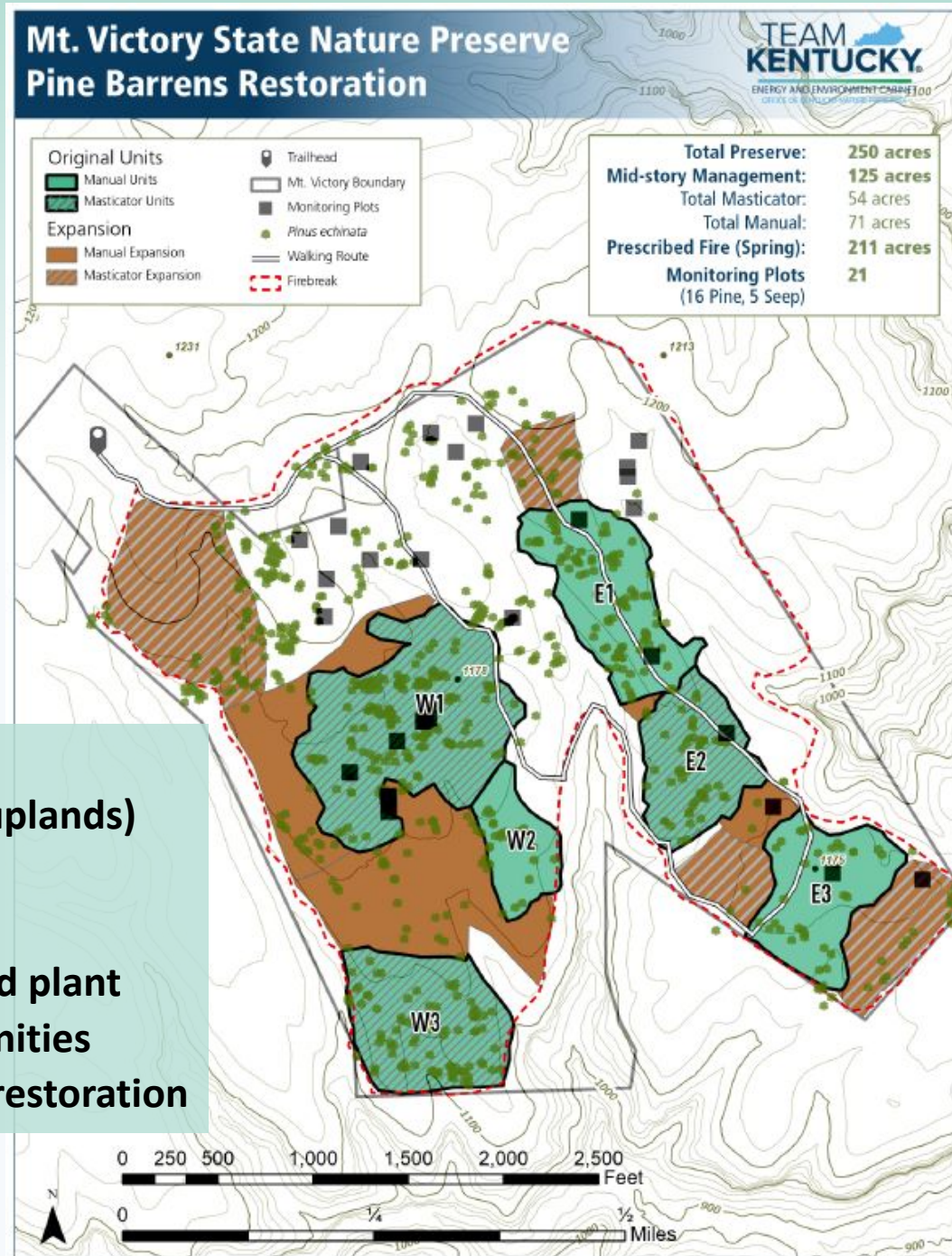
*Land Management Workflow report example*

# Francis Palk State Nature Preserve Pine Barrens Restoration Project Highlight



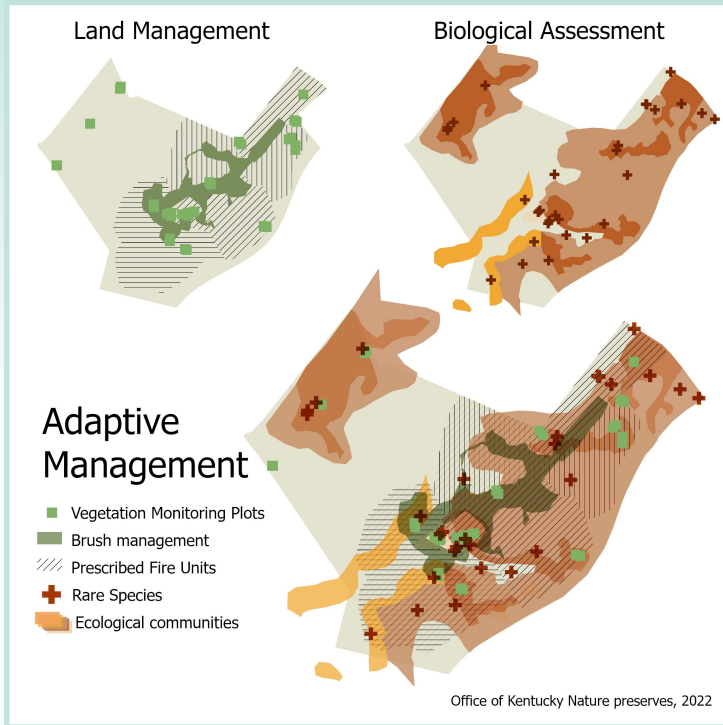
Comparison of pre-management (left of dirt road) and post-management (right of dirt road) pine barrens units

**Preserve: 250 acres**  
**16 monitoring plots (uplands)**  
**Protects**  
**5 rare plants**  
**1 federally endangered plant**  
**1 rare natural communities**  
**1 natural community restoration**

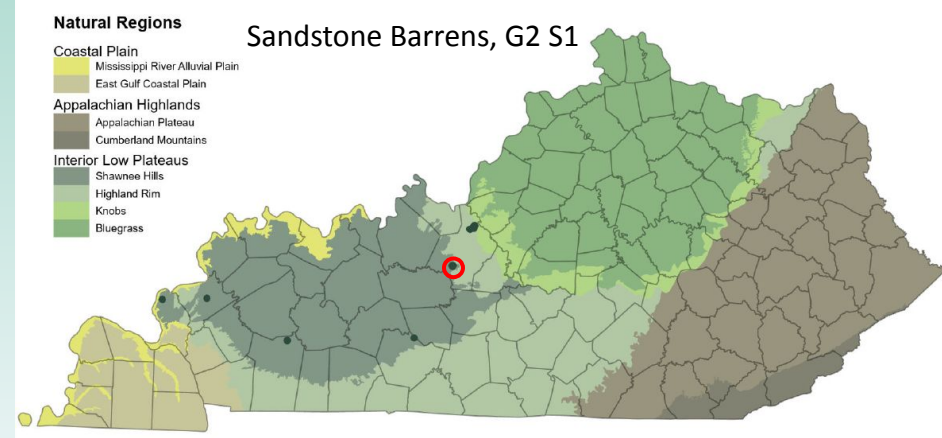


# Eastview Barrens State Nature Preserve, Hardin County

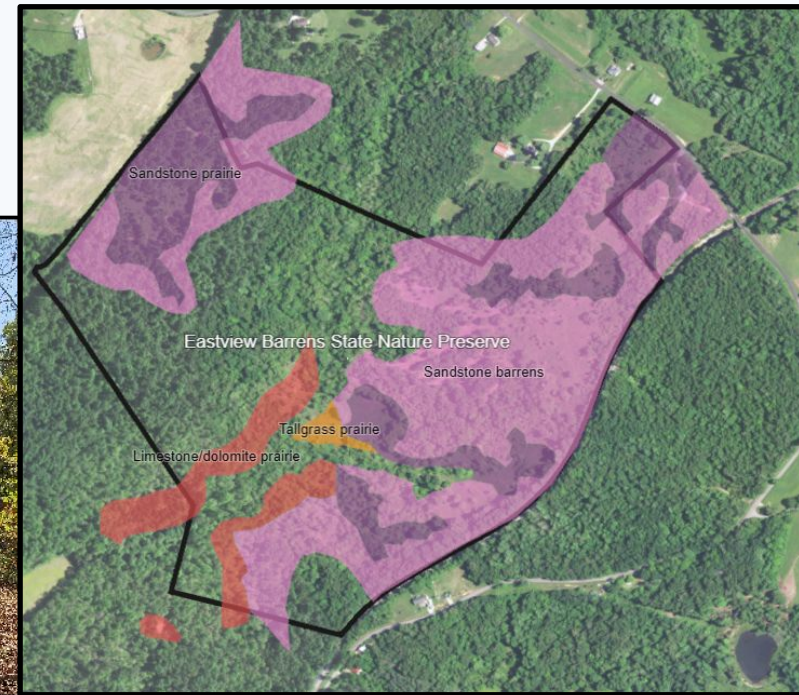
## Cross-Branch Collaboration Highlight



Rattlesnake Master Borer Moth G2 S1  
*Papaipema eryngii*  
 Host plant: Rattlesnake Master  
*(Eryngium yuccifolium)*



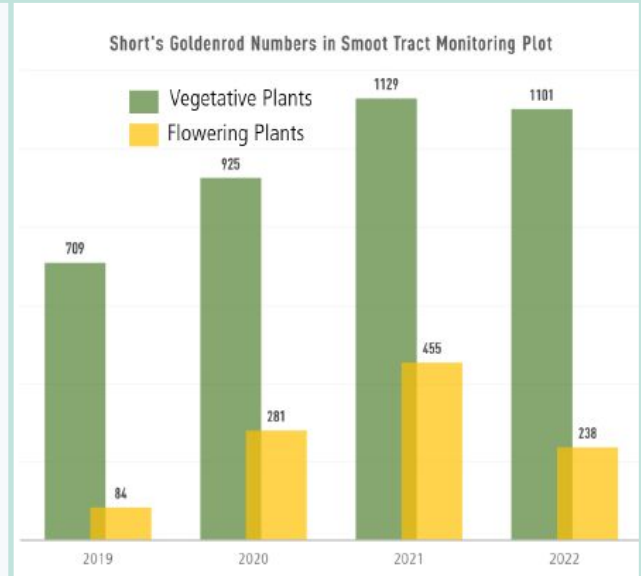
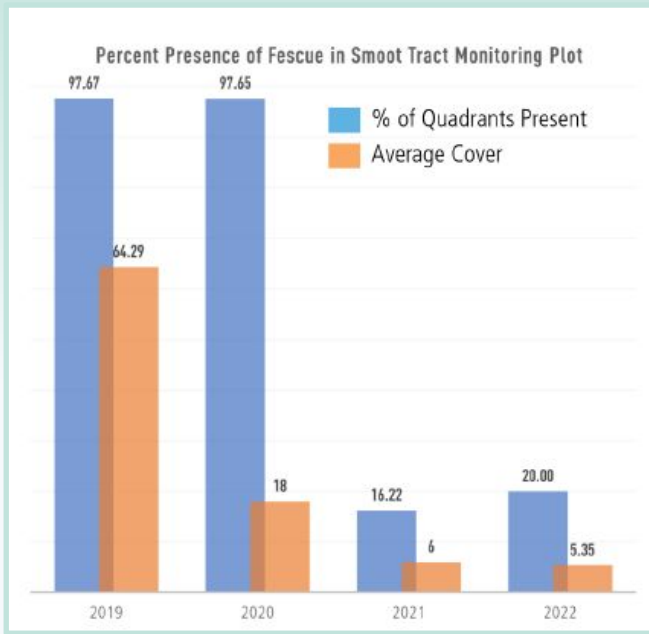
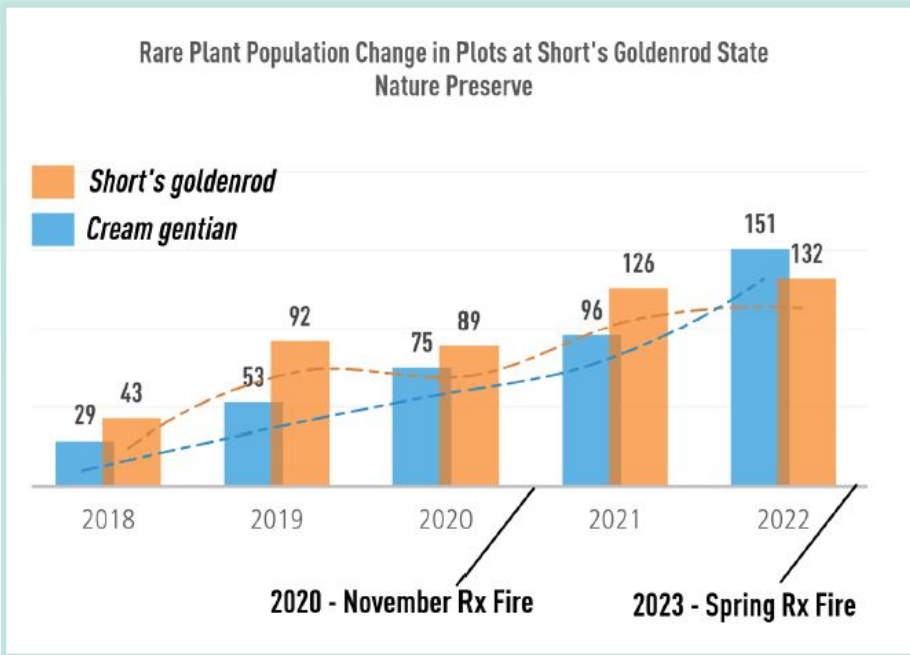
**174 Acres**  
**Protects:**  
**12 rare plants**  
**4 natural communities**





# Bluelicks Battlefield State Nature Preserve & Short's Goldenrod State Nature Preserve

## Rare Species Restoration & Environmental Education Highlight



Federally endangered Short's Goldenrod



Prescribed fire to maintain Short's Goldenrod habitat

### Invasive Species Management Workshop: Volunteer Training & Pesticide Certification

**Day 1: Education, Training, & Certification**  
 Pesticides Applicators License fee \$25  
 Scholarships available upon request  
 October 25th, 2024  
 8:00am - 7:00pm ET

**Day 2: Field Day** (weather dependent)  
 9:00am - 12:30pm ET

**Workshop held at:**  
 Blue Licks Battlefield State Resort Park  
 10299 Maysville Rd, Carlisle, KY 40311

**For More Info or to Sign Up, Contact:**  
 Jason Nally  
 502-330-4328  
 jason.nally@ky.gov

# TEAM KENTUCKY®

ENERGY AND ENVIRONMENT CABINET  
OFFICE OF KENTUCKY NATURE PRESERVES

## Office of Kentucky Nature Preserves Management Regions

### West Kentucky

Vacant  
naturepreserves@ky.gov  
12 sites

### Barrens

Zach Beyer  
zachary.beyer@ky.gov  
24 sites

### Bluegrass

Dylan Abner  
dylan.abner@ky.gov  
20 sites

### Trails Program

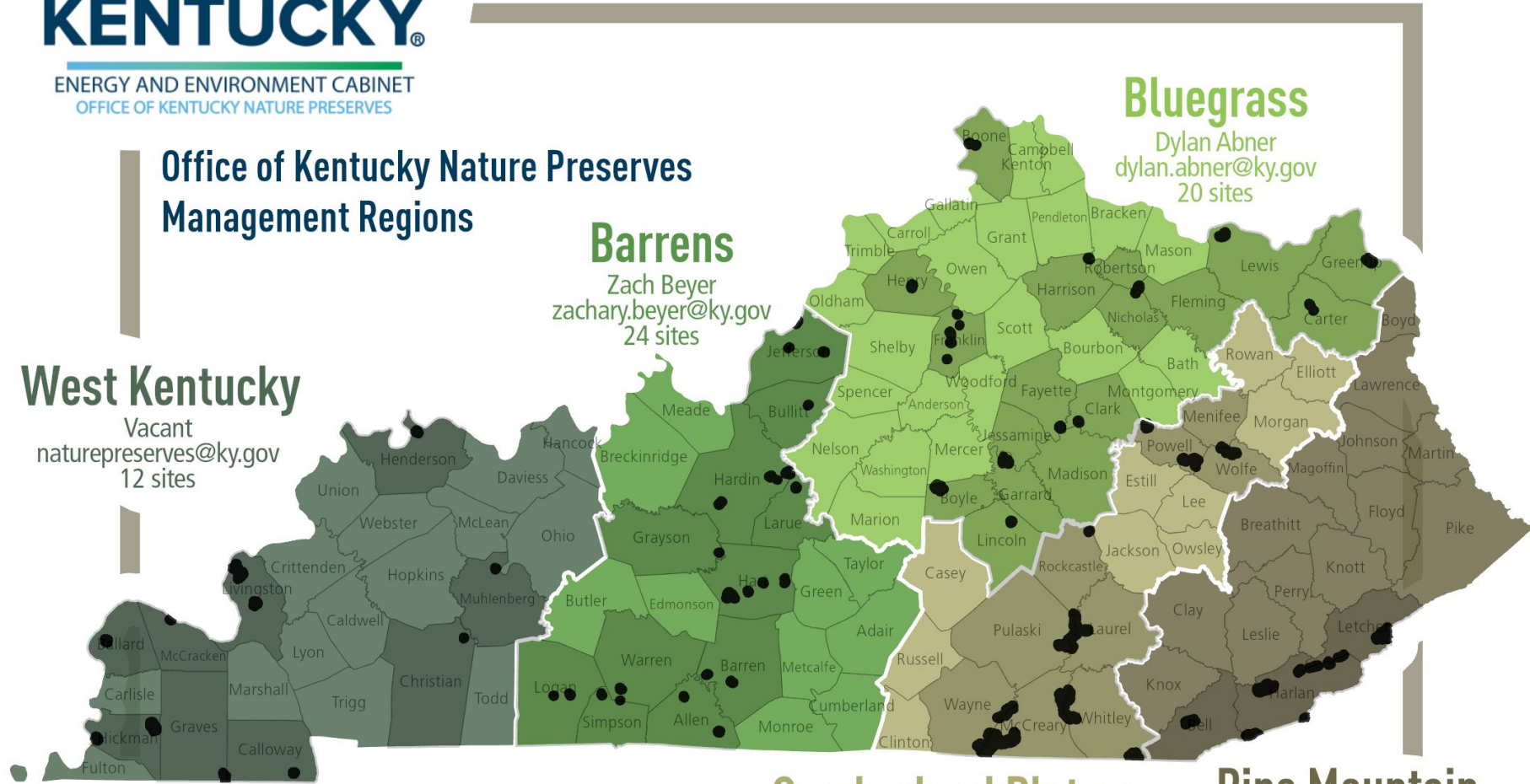
Douglas Wilder  
douglas.wilder@ky.gov  
Est. 35 miles  
11 sites

### Cumberland Plateau

Ryan Fortenberry  
ryan.fortenberry@ky.gov  
19 sites

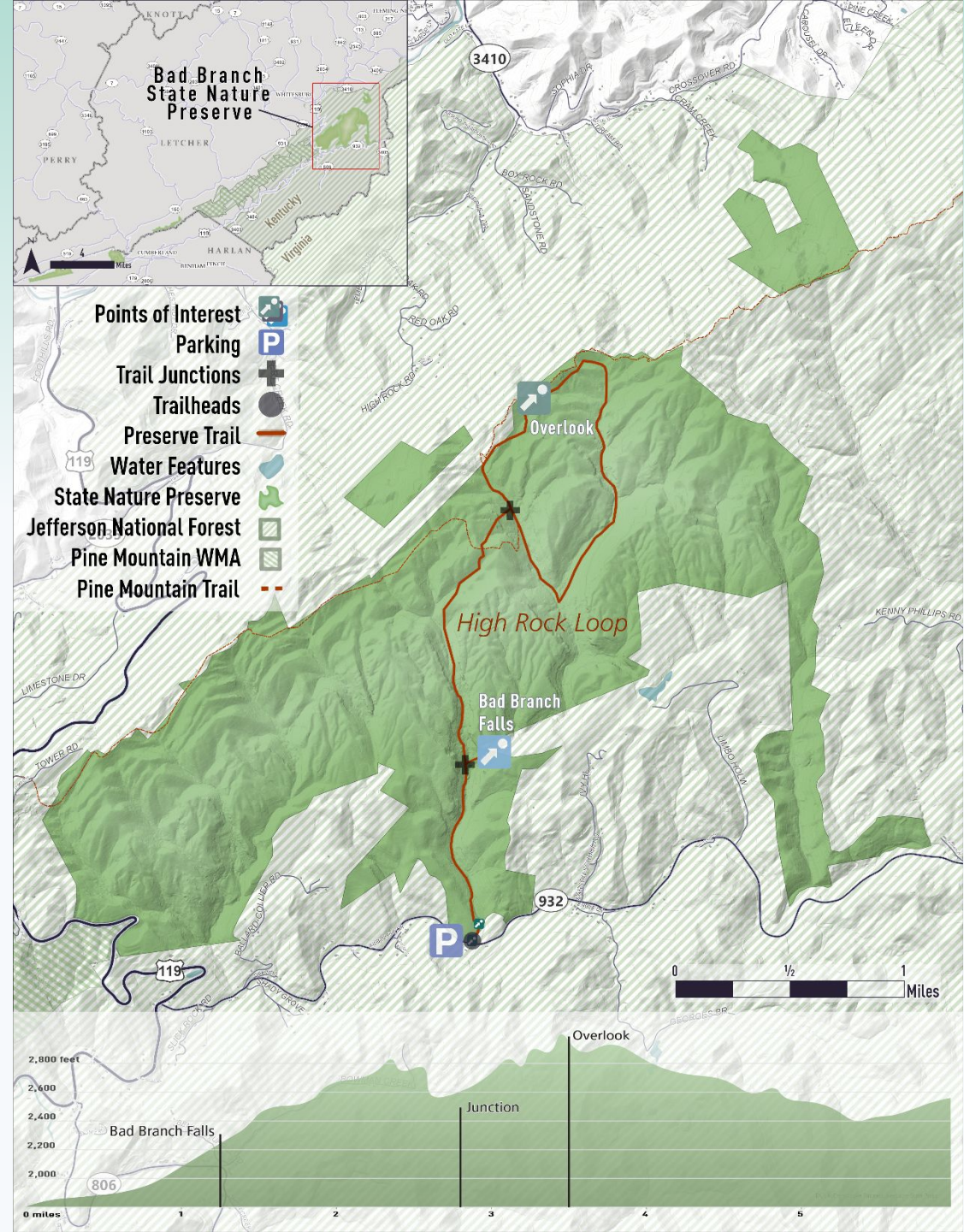
### Pine Mountain

Kyle Napier  
kyle.napier@ky.gov  
11 sites



August 2024

# Bad Branch Nature Preserve Trail Work Highlight



## Contact Information



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Office of Kentucky Nature Preserves

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