

Victory Starts Here



# Endangered & Threatened Species

- Laws and Regulations
- Overview of Programs and Species on Fort Jackson
- \*\*Rare Animals Found on Fort Jackson
- Your Duties to Stay In Compliance

# Endangered Species Laws and Regulations

- Endangered Species Act of 1973
- AR 200-1, Environmental Protection and Enhancement
- Fort Jackson Regulation 350-14 (Post Range Regulation)

# Endangered Species Act Requirements

- “Conserve” listed species
- Avoid “jeopardizing” listed species
- Avoid “taking” listed fish and wildlife or removing/destroying listed plants
- Environmental Division consults with USFWS

# ESA Definition of “Take”

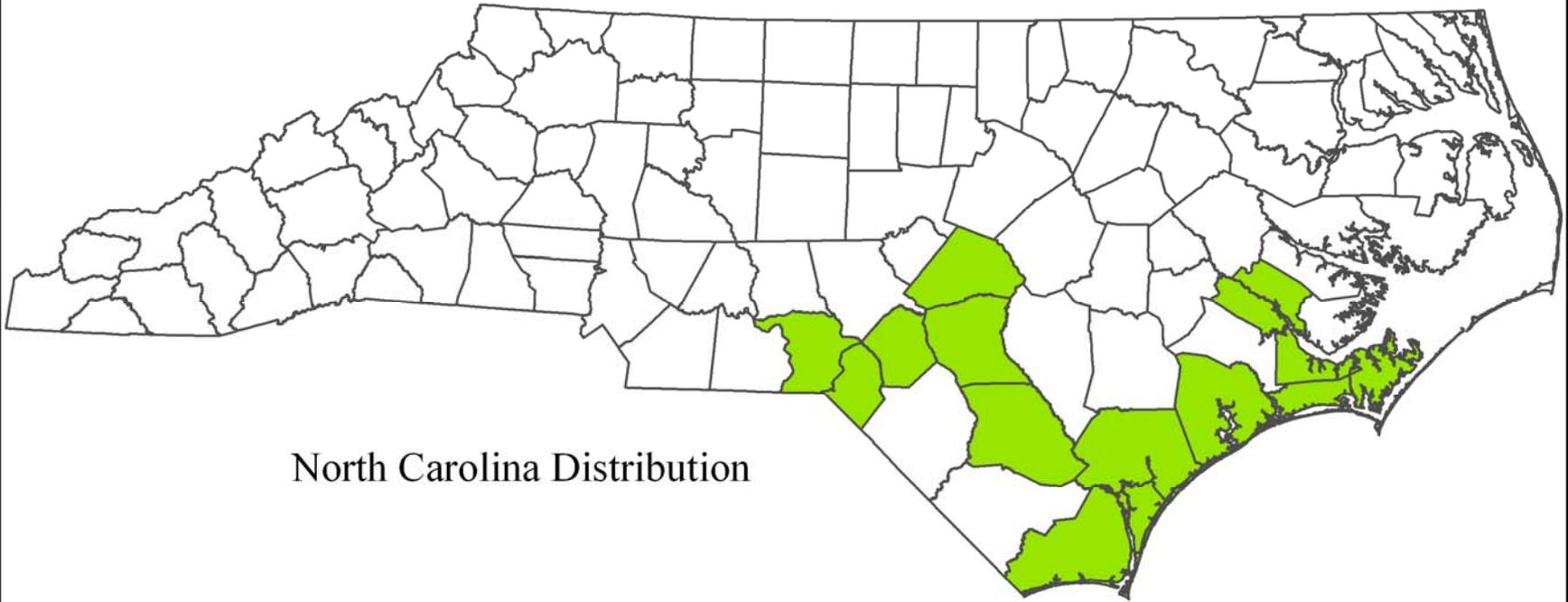
- Under section 9 of the ESA, “Take” means to “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct.”
- “Take” also includes modification or degradation of habitat.
- Violations may result in civil or criminal penalties

# Endangered Plant Species on Fort Jackson

- Rough-leaved loosestrife
- Smooth coneflower

Rough-leaved  
Loosestrife





North Carolina Distribution

# Buffalo Creek Bog



# Prescribed Burning

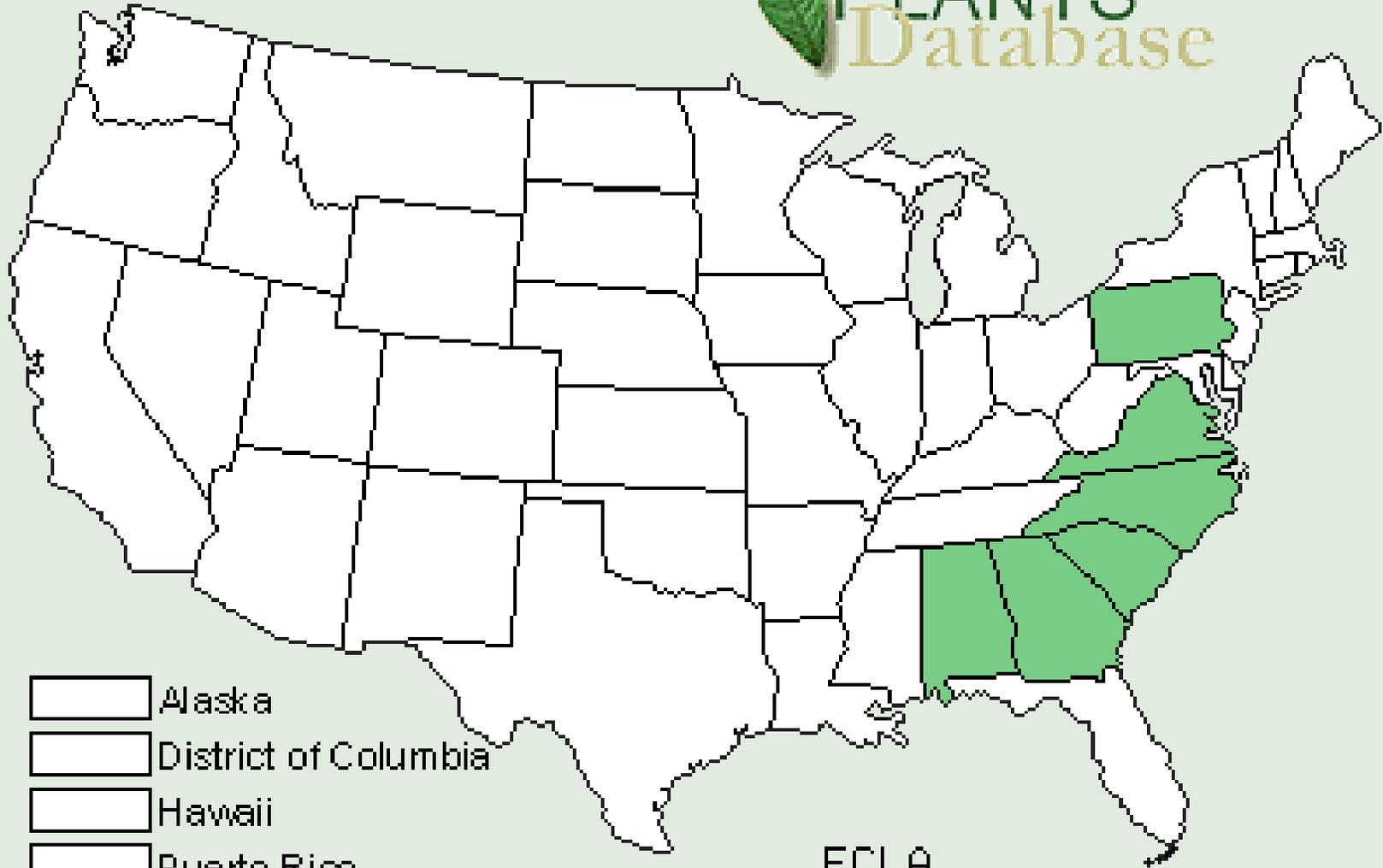


# Smooth Coneflower





# PLANTS Database



- Alaska
- District of Columbia
- Hawaii
- Puerto Rico
- Virgin Islands

ECLA

# Training Area 29-B



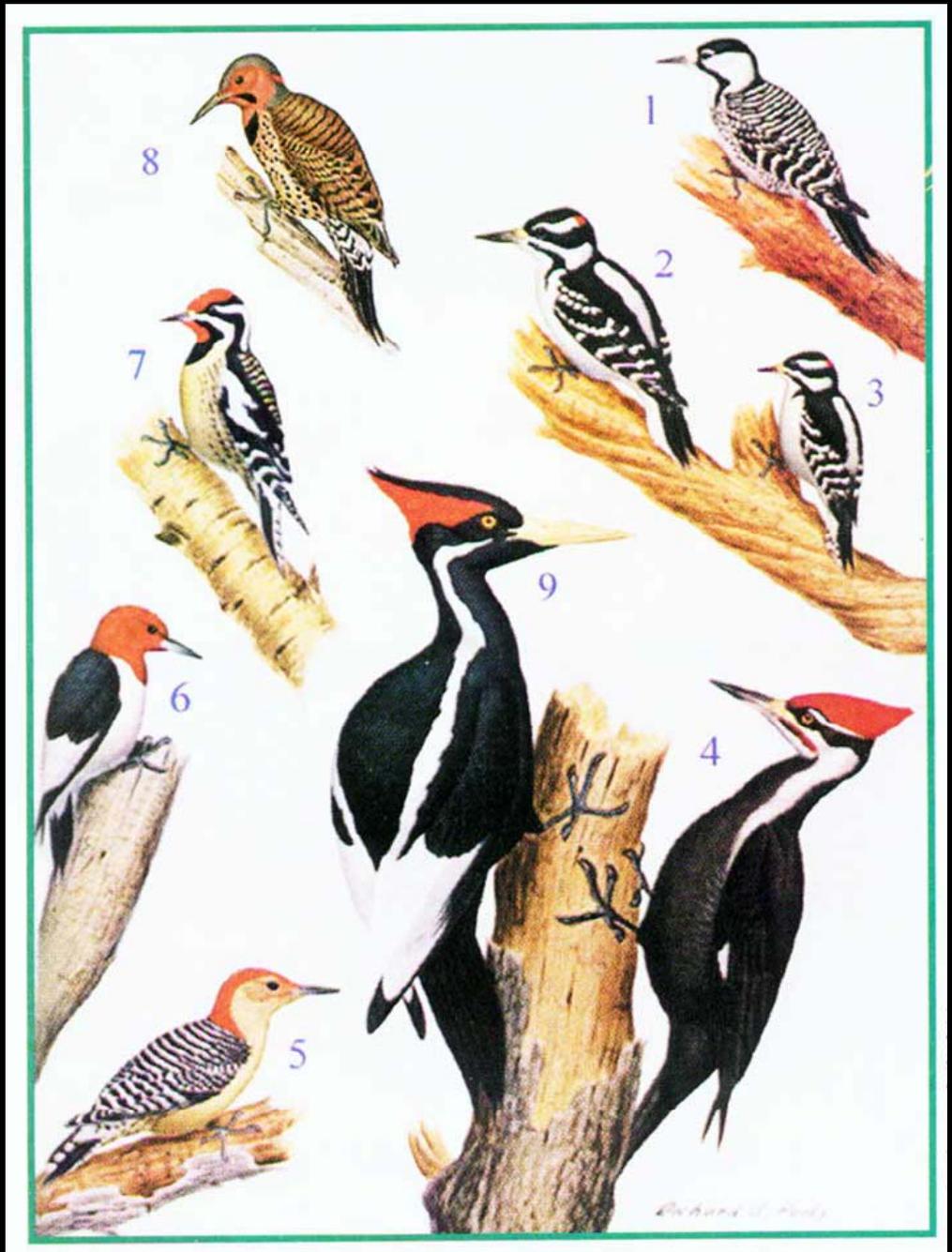
Improvements



# Endangered Animals on Fort Jackson

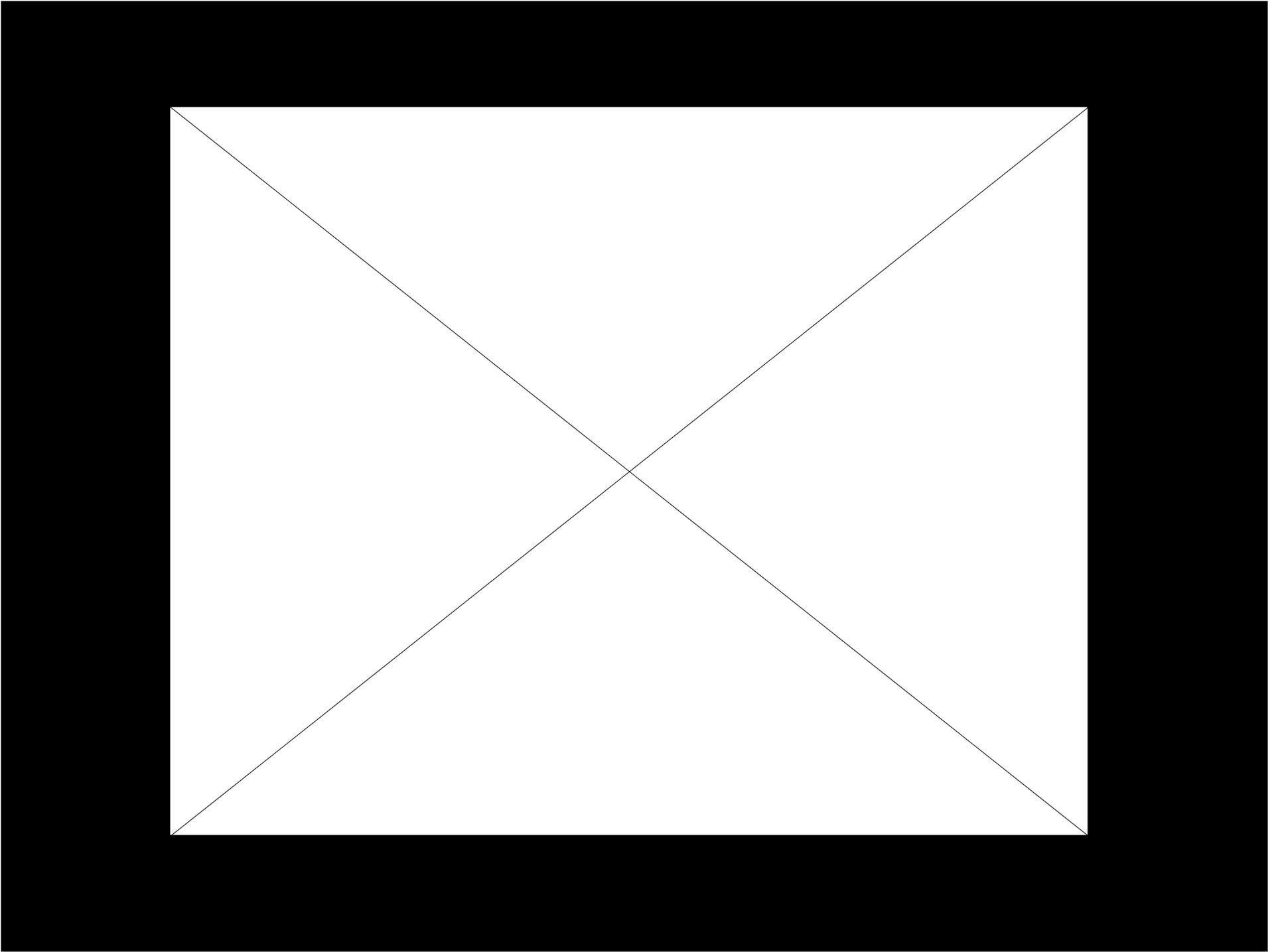
- Red-cockaded Woodpecker

# Woodpeckers in South Carolina



# Red-Cockaded Woodpecker (RCW)

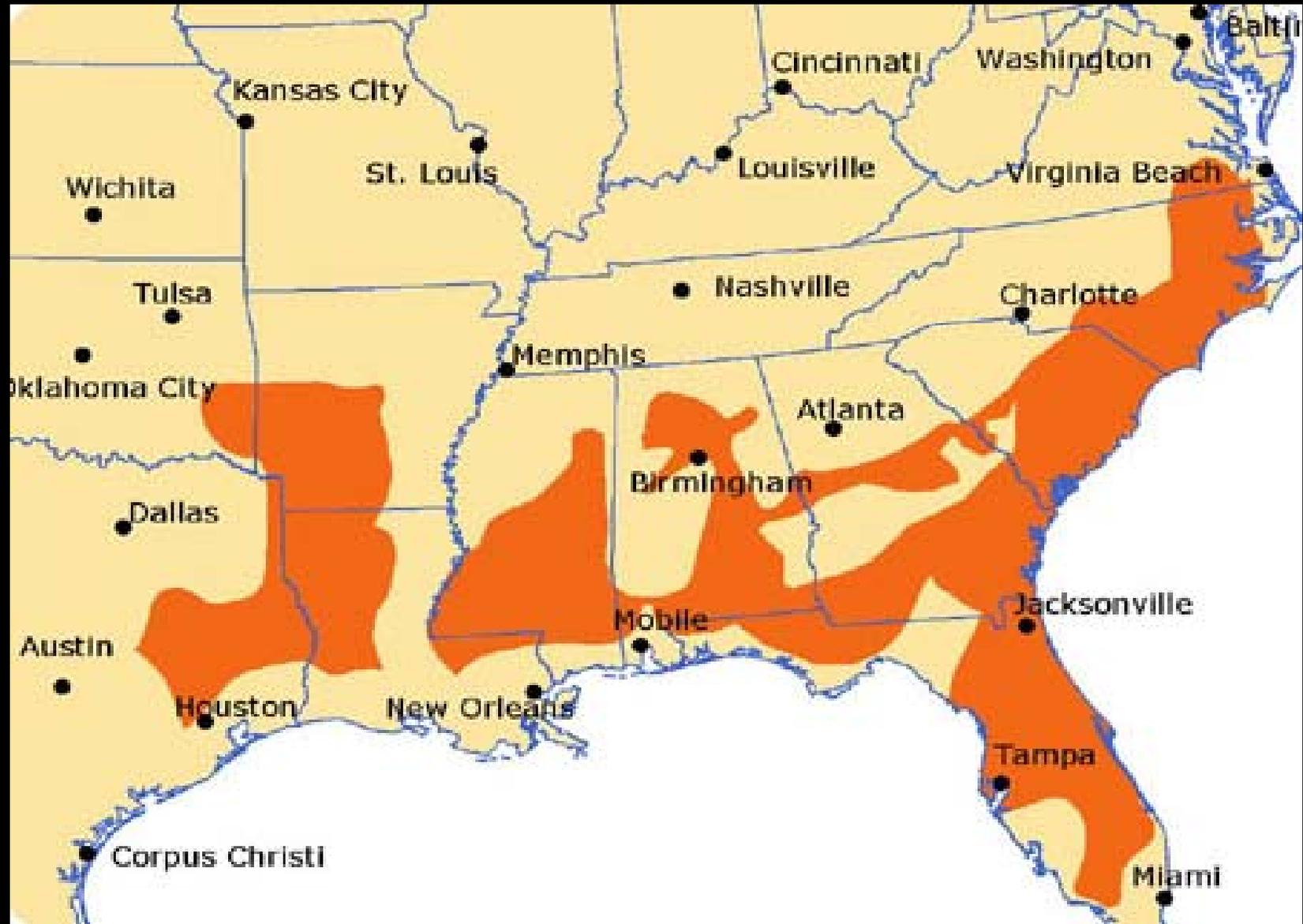




# Natural RCW Cavity



# RCW Range Map



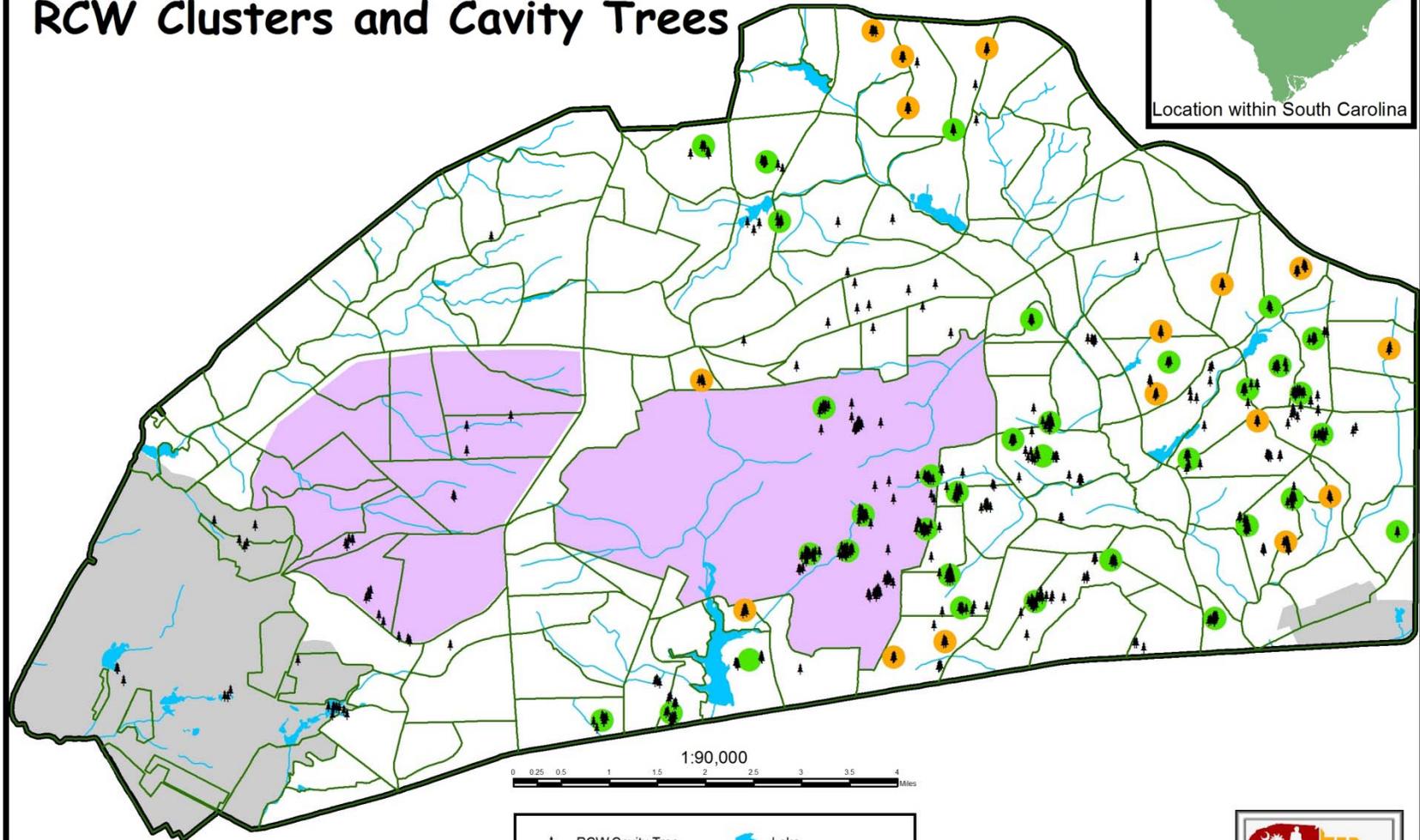
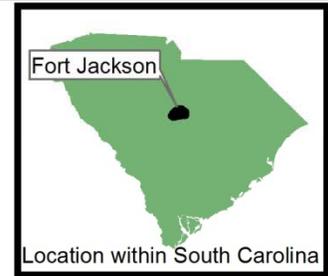
# Logging Longleaf in Texas



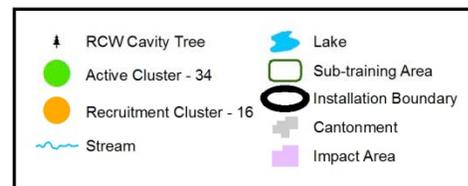
# Fort Jackson

## RCW Clusters and Cavity Trees

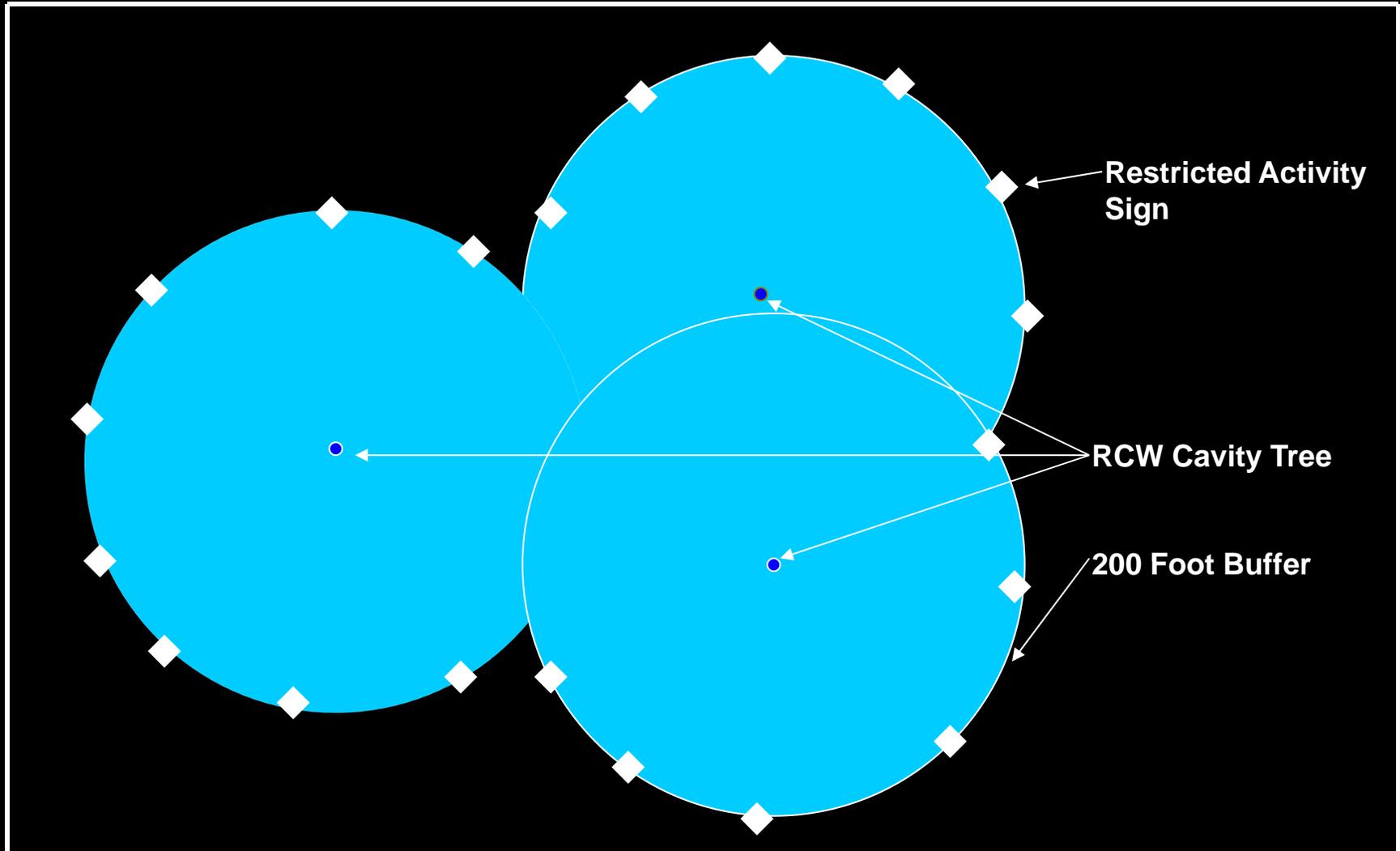
04 Jan 2012



1:90,000  
0 0.25 0.5 1 1.5 2 2.5 3 3.5 4 Miles



# RCW Cluster with 200 Foot Buffer



# RCW Buffer Area: Within White Diamond Signs Activity Restrictions Apply



# Cavity Tree Identification



# Buffer Zone



# RCW Habitat



# Prescribed Burning



# Artificial Cavity



# Artificial Cavity



# Monitoring







# Individual Recognition





# Rare Animals Found on Fort Jackson

- Southeastern Myotis
- Rafinesque's Big-eared Bat
- Southeastern Kestrel
- Loggerhead Shrike
- Bachman's Sparrow
- Southern Hognose Snake
- Northern Pine Snake

# Southeastern Myotis



# Big-eared Bat



*Photo by: Price Sewell*

**OFF  
LIMITS**



# American Kestrel



Kestrel  
Nest  
Box

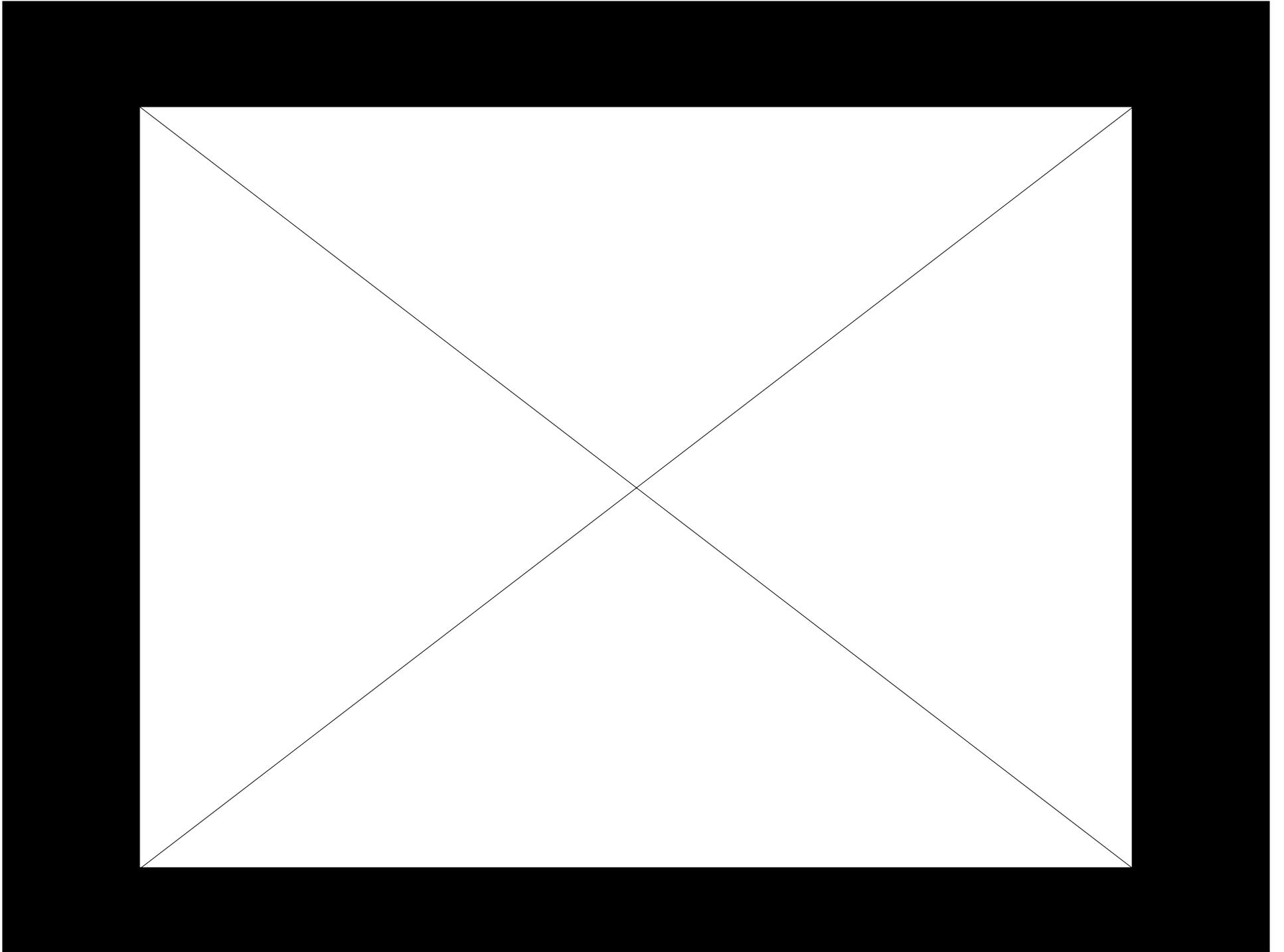


# Loggerhead Shrike



# Bachman's Sparrow





# Southern Hognose



# Northern Pine Snake



# Your Duties to Stay in Compliance

1. Do not disturb endangered plant sites
2. Recognize the RCW buffer area signs and cavity tree markings
3. Know and follow the Army RCW Activity Restrictions
4. Obey Range Operation guidance
5. Do not harm rare animals

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