



BLACK PINESNAKE

Proposed Listing and Critical Habitat Rules

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Photo: courtesy of J. Lee (TNC)

<http://www.fws.gov/mississippi>



AGENDA

- Black pinesnake species description, habitat, and range
- Proposed listing rule
 - Threats analysis
 - Proposed exemptions authorized under Section 4(d)
- Proposed critical habitat rule
 - How, why, and where units were selected
 - Draft economic analysis
- Frequently asked questions
- Your questions



TIMELINE

Federal Actions for the Black Pinesnake

October
1999
Species
placed on
candidate
list

October 7, 2014
Proposed listing
rule published

December
8, 2014
Comment
period
closes

March 11, 2015
Proposed critical
habitat rule
published; draft
economic
analysis
released; and
comment period
re-opened for
proposed listing
rule

May 11, 2015
Comment
period closes
for both
proposed
rules

Fall 2015
Final rule
determinations
expected



BLACK PINESNAKE SPECIES DESCRIPTION



Photos: J. Lee (TNC)

- Size
- Appearance
- Activity patterns
- Prey
- Home range
- Habitat use

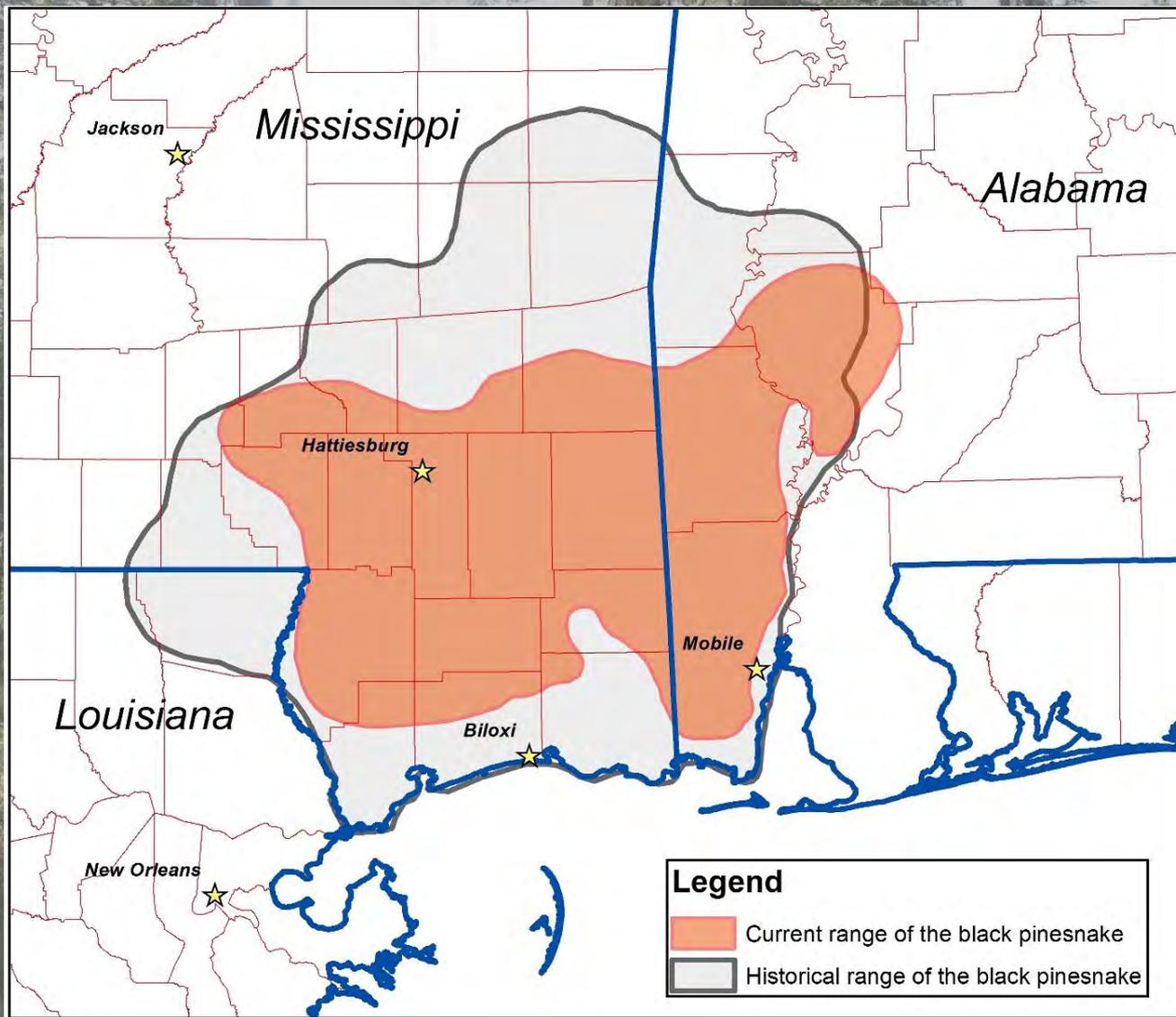


BLACK PINESNAKE HABITAT

- Native to fire-maintained, upland longleaf pine forests.
- Primarily found in areas of sandy, well-drained soils; open longleaf pine overstory; reduced mid-story; and herbaceous ground cover.
- Usually located on hilltops and ridges.



RANGE OF THE BLACK PINESNAKE



Alabama: Clarke, Mobile, Washington

Mississippi: Forrest, George, Greene, Harrison, Jackson, Jones, Lamar, Lauderdale, Lawrence, Marion, Pearl River, Perry, Stone, Walthall, Wayne

Louisiana: presumed extirpated; Washington Parish

Legend

- Orange box: Current range of the black pinesnake
- Light gray box: Historical range of the black pinesnake



PROPOSED LISTING

Under the ESA, we may determine that a species is endangered or threatened based on any of five factors:

- The present or threatened destruction, modification, or curtailment of its habitat or range;
- Overutilization for commercial, recreational, scientific, or educational purposes;
- Disease or predation;
- The inadequacy of existing regulatory mechanisms; or
- Other natural or manmade factors affecting its continued existence.



PROPOSED LISTING (continued)

Primary threats

- Habitat loss, modification, fragmentation, and conversion
- Road mortality
- Intentional killing



PROPOSED LISTING (continued)

Current conservation efforts:

- Ongoing restoration/management efforts from federal agency management plans and non-profit organizations
- Initiatives by the forest products industry to maintain sustainable forests.
- Protections from the state agencies of MS and AL



PROPOSED LISTING (continued)

Exemptions as authorized under Section 4(d) of the ESA:

- Increases management flexibility, not additional restriction
- Provides for the overall conservation of the species
- Proposed exempted activities that benefit the species:
 - Certain herbicide treatments
 - Prescribed burning
 - Stream buffer restoration
 - Intermediate silvicultural activities, like forest thinning



PROPOSED LISTING (continued)

- What does listing mean to a private landowner and industrial foresters?

The basic responsibility of private landowners having black pinesnake populations on their lands is to avoid take of the species. In general, the Service expects this proposed listing would have negligible impact on the forest products industry.



PROPOSED CRITICAL HABITAT

- “Critical habitat” - areas determined to be essential to the conservation of the species
- Critical habitat designation only has an effect on situations involving a federal agency



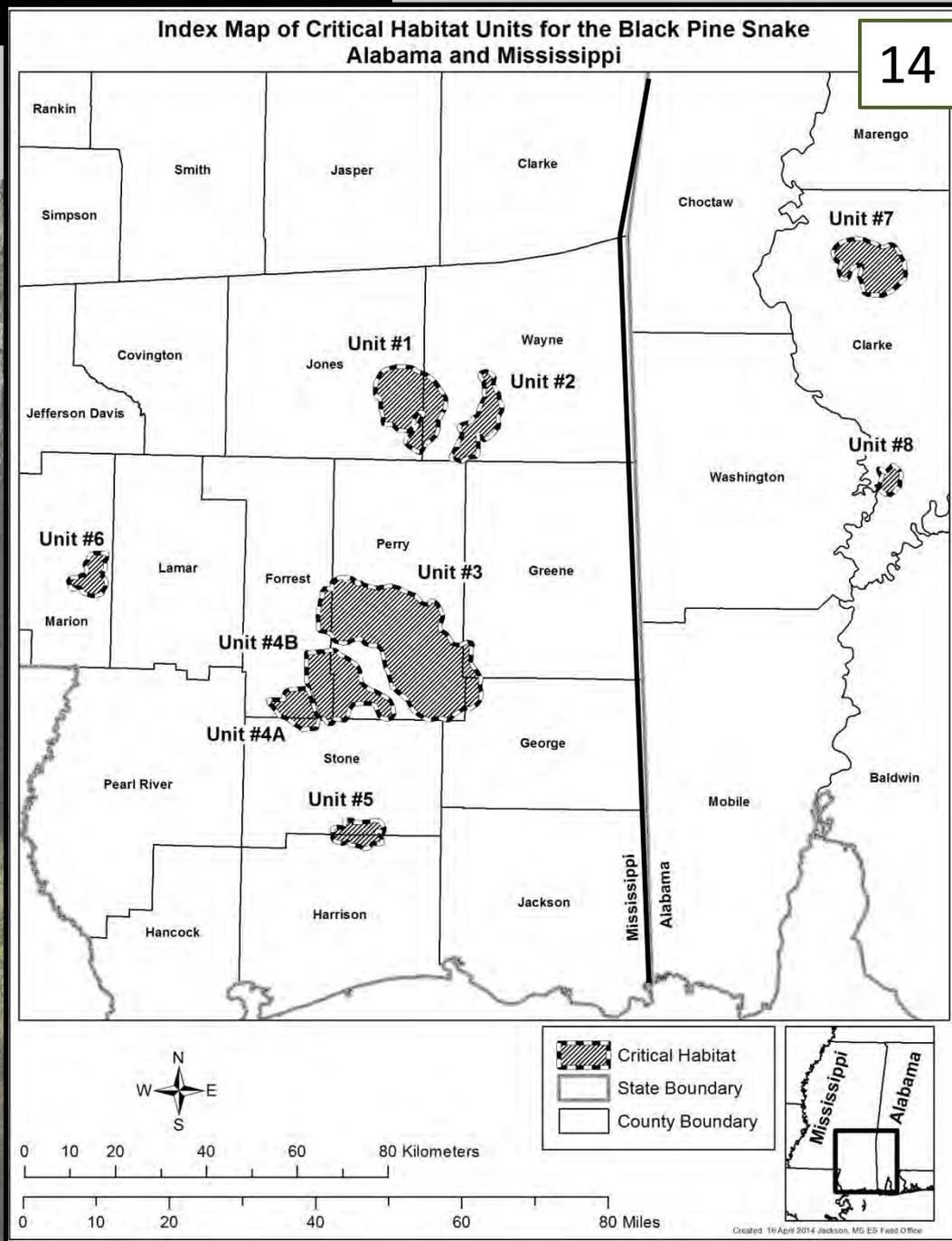
PROPOSED CRITICAL HABITAT (continued)

- **Habitat structure and tract size**
 - Longleaf pine-dominated forest with an open canopy and abundant herbaceous groundcover
 - $\geq 5,000$ acres of mostly unfragmented habitat.
- **Soils**
 - Deep, sandy, well-drained soils.
- **Shelter and topographic features**
 - Pine stump holes and their associated root systems
 - On ridges ≥ 150 ft elevation.



8 proposed critical habitat units:

- 6 in MS (Unit 4 split into two subunits)
- 2 units in AL
- Total size ~ 338,000 acres
- 70% federal ownership; 27% private ownership; the rest is under state and local ownership





PROPOSED CRITICAL HABITAT (continued)

Draft Economic Analysis

- ESA considers economic consequences, national security impacts, and other relevant impacts.
- Economic analysis prepared for each proposed critical habitat designation.
- Areas can be excluded from critical habitat designation.

Results

- Minimal economic impact
- Costs attributed to additional administrative efforts on part of federal agencies



PROPOSED CRITICAL HABITAT (continued)

- What does critical habitat designation mean to private landowners and industrial foresters?

Designating critical habitat should not affect landowners taking action on their land unless the action involves federal funds, permits, or activities.



FREQUENTLY ASKED QUESTIONS

- What impact will these rules have on military training on Camp Shelby?

There will be little impact to military readiness or training from these proposed rules.

- Do these rules mean I will have to convert to longleaf or monitor for black pinesnakes on my property?

No, these rules do not require restoration, recovery, or enhancement measures by a private landowner nor any monitoring for black pinesnakes.



MAKING A FINAL DECISION

- Must be based solely on the best scientific and commercial data available.
- Current public comment periods for both rules close on May 11, 2015
- We are seeking public comment, and will fully consider all written comments and any additional information we receive.
- Final decision expected Fall of 2015.



COMMENTS AND QUESTIONS

Comments and information may be submitted:

- Online at <http://www.regulations.gov>; or
- Mail or hand deliver to:
Public Comments Processing, Attn: FWS-R4-ES-2014-0065
Division of Policy, Performance, and Management Programs
U.S. Fish and Wildlife Service, MS: BPHC
5275 Leesburg Pike
Falls Church, VA 22041-3803

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