U.S. Fish & Wildlife Service





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Conserving South Carolina's **At-Risk Species:**

Species facing threats to their survival

Florida pine snake

(Pituophis melanoleucus mugitus)



Florida pine snake/Savannah River Ecology

Description

or black blotches down the length of the burrows. body but the pattern of this species can be In the Florida subspecies **Status** (Pituophis melanoleucus mugitus), the anteri- After more than a century of habitat loss age restoration of large tracts of longleaf or blotches are typically not present and due to conversion of xeric upland habitats, pine and wiregrass ecosystem, managed the pattern is indistinct. Also, the bellies the species is considered vulnerable. Pine on long rotations and with large stumps of Florida pine snakes are uniformly ashy snakes are not abundant in any particular remaining after harvest for underground gray with no spots. Male snakes can be area of the state, even where they are refugia and hibernation sites. distinguished from females by the appear- found with some regularity. The South should be protected from commercial colance of the tail.

Range

ern Georgia to southeastern and southern warranted. Alabama, and south to southern Florida. It is generally restricted to the southwest- **Threats** gion of intergradation between the Florida velopment. (Pituophis melanoleucus melanoleucus), pri- quality. Large snakes are particularly vul- melanie_olds@fws.gov

Counties.

Habitat

The species appears to be restricted to from automobiles further reduces the several specific habitat types that are ei- number of individuals in a population. ther subsets of the longleaf pine ecosystem. Intensive or chronic soil disturbance may or share some of the characteristics of this also pose a threat to fossorial snake spesystem, primarily the relatively open can-cies. Fire suppression, stump removal opy and xeric conditions. Infertile, sandy and short timber rotations may limit popsoils are important habitat for pine snakes ulation numbers by reducing availability of because they dig both hibernacula and nesting sites and large stump holes for snakes seek open habitats around wet- threat in some areas as well as persecution lands. Occasionally individuals are seen in and direct killing of snakes. The pine snake (Pituophis melanoleucus) is a abandoned fields and dry mountain ridges. large snake with a maximum length of Mostly fossorial, pine snakes spend some Management/Protection Needs approximately 228 cm (7.5 feet). The portion of their life using underground Protect upland habitat utilized by this spepine snake typically has a light brown to shelters, such as stump holes, rodent bur- cies. Tracts of several hundred acres or ivory background color with large brown rows, root channels or gopher tortoise larger with minimal fragmentation by

sources lists the species as a highest priorition is encouraged. ty in their State Wildlife Action Plan. The **References**

ern-most counties of our state, primarily Potential threats include habitat loss due 2010-2015. Aiken, Allendale, Barnwell, Beaufort, to conversion for agriculture, silviculture, Contact Jasper, and Hampton Counties with a re-mining, and commercial/residential de- U.S. Fish & Wildlife Service Longleaf pine habitat has South Carolina Field Office pine and the Northern pine subspecies been greatly reduced both in extent and in 843/727-4707

marily in Aiken, Barnwell, and Lexington nerable to habitat fragmentation as they are long-lived animals with large home Maintaining viable populations becomes more difficult when mortality During drought, pine refugia. Excessive collecting may be a

highways and other roads are preferred. Maintain open characteristic of habitat through use of prescribed fire and encour-Carolina Department of Natural Re- lecting. Continued outreach and educa-

Pine snakes are widespread in South Caro- U.S. Fish and Wildlife Service was peti- NatureServe. 2015. NatureServe Explorlina but the Florida subspecies occurs tioned to list the species in July 2012 and er: An online encyclopedia of life [web mainly from southern South Carolina published a substantial 90-day finding in application]. Version 7.1. NatureServe, southwestward through central and south- September 2015 indicating listing may be Arlington, Virginia. Available http:// explorer.natureserve.org.

> South Carolina Department of Natural Resources—State Wildlife Action Plan: