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**

approximately 228 cm (7.5 feet). The burrows. pine snake typically has a light brown to ivory background color with large brown Status gray with no spots.

### Range

southwestward through central and south- warranted. ern Georgia to southeastern and southern Alabama, and south to southern Florida. Threats It is generally restricted to the southwest- Potential threats include habitat loss due South Carolina Department of Natural Hampton, Jasper, and Lexington Counties velopment. Lexington Counties.

## **Habitat**

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 summer dens. 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. abandoned fields and dry mountain ridges. Mostly fossorial, pine snakes spend some Management/Protection Needs portion of their life using underground Protect upland habitat utilized by this spe-The pine snake (Pituophis melanoleucus) is a shelters, such as stump holes, rodent bur- cies. Tracts of several hundred acres or large snake with a maximum length of rows, root channels or gopher tortoise larger with minimal fragmentation by

or black blotches down the length of the After more than a century of habitat loss age restoration of large tracts of longleaf body but the pattern of this species can be due to conversion of xeric upland habitats, pine and wiregrass ecosystem, managed In the Florida subspecies the species is considered vulnerable. Pine on long rotations and with large stumps (Pituophis melanoleucus mugitus), the anteri- snakes are not abundant in any particular remaining after harvest for underground or blotches are typically not present and area of the state, even where they are refugia and hibernation sites. the pattern is indistinct. Also, the bellies found with some regularity. The South should be protected from commercial colof Florida pine snakes are uniformly ashy Carolina Department of Natural Re-lecting. Continued outreach and educasources lists the species as a highest priorition is encouraged. ty in their State Wildlife Action Plan. The U.S. Fish and Wildlife Service was peti- References Pine snakes are widespread in South Caro-tioned to list the species in July 2012 and NatureServe. 2015. NatureServe Explorlina but the Florida subspecies occurs published a substantial 90-day finding in er: An online encyclopedia of life [web mainly from southern South Carolina September 2015 indicating listing may be application]. Version 7.1. NatureServe,

ern-most counties of our state, primarily to conversion for agriculture, silviculture, Resources—State Wildlife Action Plan: Aiken, Allendale, Barnwell, Beaufort, mining, and commercial/residential de- 2010-2015. Longleaf pine habitat has with a region of intergradation between been greatly reduced both in extent and in Contact the Florida pine and the Northern pine quality. Large snakes are particularly vul- U.S. Fish & Wildlife Service subspecies (Pituophis melanoleucus melano- nerable to habitat fragmentation as they South Carolina Field Office leucus), primarily in Aiken, Barnwell, and are long-lived animals with large home 843/727-4707 Maintaining viable populations melanie\_olds@fws.gov ranges.

becomes more difficult when mortality The species appears to be restricted to from automobiles further reduces the 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-

Arlington, Virginia. Available http:// explorer.natureserve.org.