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

## Species facing threats to their survival

### Southern hognose snake

(Heterodon simus)



Southern hognose snake/Savannah River Ecology Lab

### **Description**

The southern hognose snake is the small- **Status** est of the hognose snakes, a group of Southern hognose snakes have apparently aged on long rotations and with large snakes that possess a sharply upturned declined in recent years and are of conser- stumps remaining after harvest for undersnout. This species averages from 36 to vation concern throughout their range, ground refugia and hibernation sites. De-51 cm (14 to 20 inches) in length. The They have not been found in Alabama or termine the root cause of the decline of southern hognose snake is typically tan- Mississippi since the 1970's and are re- southern hognose snakes (e.g. - effects of brown with darker blotches running down stricted to scattered locations in the states fire ants on population). Continue to inthe back. The colors of this snake are typ- where they still occur. In the past 15 ventory and monitor known populations. ically less variable than its more common years, the species has only been docu- Continued outreach and education is enrelative, the eastern hognose.

### Range

has declined in recent years and is now indicating listing may be warranted. only found in scattered locations in South Carolina, North Carolina, Georgia, and Threats Beaufort, Charleston, Chesterfield, Colleton, Dor- velopment. Saluda.

### **Habitat**

Although both species of hognose snake southern hognose snake.

snakes are found almost exclusively in threat to fossorial snake species. Fire supsandhill, pine flatwood, and coastal dune pression, stump removal and short timber habitats. They can be found in the same rotations may limit population numbers habitat types that support gopher tortoise by reducing availability of nesting sites and populations. This species is both fossorial large stump holes for refugia. Excessive and cryptic spending a good portion of its collecting may be a threat in some areas as life using underground shelters such as well as persecution and direct killing of stump holes, rodent burrows, root chan- snakes. nels or gopher tortoise burrows. longleaf pine habitat provides open cano- Management/Protection Needs pies with abundant stump holes, some Protect upland habitat utilized by this specreated when pine trees are blown over cies. Maintain open characteristic of habiby storms or killed by lightning.

mented in 40 counties across its entire couraged. southeastern range; this represents 31.7% of its historical extent. The southern hog- **References** parts of Florida. However, this species stantial 90-day finding in September 2015 explorer.natureserve.org.

Florida. In South Carolina, the species has Potential threats include habitat loss due been documented from 16 counties: Ai- to conversion for agriculture, silviculture, Berkeley, mining, and commercial/residential de-Longleaf pine habitat has chester, Georgetown, Horry, Jasper, Ker- been greatly reduced both in extent and in shaw, Lexington, Marion, Richland, and quality. Introduction of the nonnative fire ant throughout the southeastern United States has been implicated as a potential reason for the apparent decline of the Intensive or

prefer sandy areas, southern hognose chronic soil disturbance may also pose a

tat through use of prescribed fire and encourage restoration of large tracts of longleaf pine and wiregrass ecosystem, man-

Southern hognose snakes were historically nose snake is listed as a Species of Con- NatureServe. 2015. NatureServe Explorfound in the Coastal Plain of the eastern cern in South Carolina. The U.S. Fish and er: An online encyclopedia of life [web United States from southern North Caro- Wildlife Service was petitioned to list the application]. Version 7.1. NatureServe, lina to southern Mississippi and in most species in July 2012 and published a sub- Arlington, Virginia. Available http://

> Savannah River Ecology Southern hognose snake. http:// srelherp.uga.edu/snakes/hetsim.htm

> South Carolina Department of Natural Resources—State Wildlife Action Plan: 2010-2015.

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