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Conserving South Carolina's At-Risk Species:

Species facing threats to their survival

Green salamander

(Aneides aeneus)



salamander/Andrew Hoffman/Flickr Creative Commons

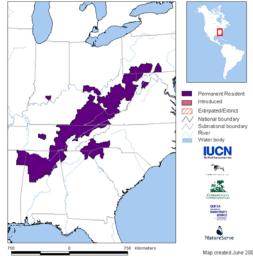
Description

The green salamander is the only arboreal salamander in South Carolina. This species can reach lengths of between 8 and 12 cm Habitat salamanders represent the only member of logs on the ground. the "climbing family" of salamanders east of the Rocky Mountains.

Range

ly exists in fragments of remaining habitat generally thought. within that range. Nine counties in North Carolina, South Carolina, and Georgia Status make up the disjunct Blue Ridge portion The green salamander is ranked as criticalof the range. These counties historically ly imperiled in South Carolina but has no Contact contained 37 populations of green sala- official State protective status. The U.S. U.S. Fish & Wildlife Service manders, but the species has apparently Fish and Wildlife Service (Service) was South Carolina Field Office disappeared from 78% of its known localipetitioned in July 2012 to list the species. 843/727-4707

Greenville, Oconee, and Pickens coun- species is undergoing a status review.



(3.1 to 4.7 in.) with a maximum length of The green salamander occupies damp (but der consist of: limiting or avoiding habitat approximately 14 cm (5.5 in.). This sala- not wet) crevices in shaded rock outcrops disturbance; protecting known populamander is the only species in South Caro- and ledges. Occasionally they are found tions; supporting survey efforts; educalina with green coloration. It has a pattern on dry rock outcrops. Rock types include tion. that resembles the lichens and mosses sandstone, limestone, dolomite, granite, found growing on rocks in its habitat. and quartzite. Type of rock may be less References The green salamander is also the only sala- important than crevice size and moisture. Apodaca, J. J., et al., On the evolutionary mander in South Carolina that has toe Green salamanders can also be found be- history of green salamanders (Aneides aenepads (much like those of a treefrog) to neath loose bark and in cracks of standing us): Implications for management and help it climb trees and rocky cliffs. Green or fallen trees, and sometimes in or under conservation, August 2015. Report sub-

Previously, arboreal habitat was deemed The range of the green salamander en- that woody and arboreal habitats play a 2012. compasses the Appalachian region but on- much larger role in the life history than

ties. In South Carolina, element occur- A 90-day finding by the Service found that whitney_wiest@fws.gov

rence records exist for the species from listing may be warranted. Currently the

Threats

Habitat loss and alteration is a primary threat to the green salamander. Habitat destruction and degradation can occur as a result of logging, mining, road construction, water impoundments, and chemical contamination. Over-collection by pet trade enthusiasts, climate change, and the newly discovered salamander-specific chytrid fungus (Batrachochytrium salamandrivorans) could greatly reduce their chance of long-term viability.

Management/Protection Needs

Actions needed to manage and protect existing populations of the green salaman-

mitted to North Carolina Wildlife Resources Commission.

secondary to rock outcrops as preferred Center for Biological Diversity—Petition habitat. However, recent studies indicate to List 53 Amphibians and Reptiles, July

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