



www.fws.gov/charleston www.fws.gov/southeast/candidateconservation

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

# Species facing threats to their survival

# Carolina gopher frog

(Lithobates capito capito)



Carolina gopher frog / USDA - Forest Service

## **Description**

The Carolina gopher frog is a member of the family Ranidae, the true frogs. Its GOPHER FROG closest relatives include the bullfrog, leopard frog and bronze frog. This species can Habitat reach sizes of 6 to 9 cm (2.4 to 3.5 in.). It Carolina gopher frogs typically breed or toad instead of a true frog.

### Range

and managed by the US Forest Service); tively mature adults.

and Santee Coastal Reserve (owned and Status managed by the South Carolina Depart- The Carolina gopher frog is not currently ment of Natural Resources). Carolina protected by the Endangered Species Act. gopher frog breeding has been document- The U.S. Fish and Wildlife Service ed within the last decade at these sites, (Service) was petitioned to list the species with evidence of successful reproduction in 2012. A 90-day finding by the Service at both the Savannah River Site and Santee found that listing may be warranted. The Coastal Reserve.



has the body shape of a typical frog, but is live in isolated, temporary freshwater Management/Protection Needs a little plumper than other frogs with pro- wetlands which are referred to as breed- The species benefits from programs to portionately shorter legs. Carolina go- ing ponds. Examples of these naturally preserve and enhance wetlands. pher frogs are typically light to dark occurring ponds include Carolina Bays, programs should be encouraged for conbrown with heavy blotching and numer-limesinks, flatwoods ponds and other such servation of the Carolina gopher frog. ous warts, giving it the appearance of a related features. Typical breeding ponds Continue to survey, monitor, and protect are isolated from flowing streams, partic- known populations. Expand survey work ularly any inflows. Occasionally such to identify new populations. ponds will have an outflow "stream" that The range of the Carolina gopher frog in only flows when exceptionally heavy rains References South Carolina is generally believed to fill the pond above full pool. Adults Center for Biological Diversity - Petition have included the entire Coastal Plain. spend most of their lives in terrestrial hab- to List 53 Amphibians and Reptiles, July Currently, the Carolina gopher frog is itats as fossorial (underground) species, 2012. only known to occur in Aiken, Barnwell, inhabiting crayfish holes, root channels, Berkeley and Charleston Counties, alt- rodent burrows and other subterranean South Carolina Department of Natural hough historic records included Bamberg, structures. They move to breeding ponds Resources - State Wildlife Action Plan: Dorchester, Hampton, and Orangeburg in late winter where they deposit eggs. 2010-2015. Counties. Recent records indicate they The aquatic larva of these species may are only present on large, public proper- spend several months in a pond before Contact ties such as the Savannah River Site metamorphosing to the adult form. New- U.S. Fish & Wildlife Service (owned by the US Department of Energy ly metamorphosed individuals move away South Carolina Field Office and managed by the US Forest Service); from breeding ponds; they only return to 843/727-4707 Francis Marion National Forest (owned these ponds when they become reproduc- paula\_sisson@fws.gov

state of South Carolina currently lists the Carolina gopher frog as endangered.

### **Threats**

Threats to the species include: alteration of wetlands (drain and fill); alteration of wetland hydroperiod; conversion of wetlands to other uses such as agriculture or development; exclusion of fire in longleaf pine forests; conversion of longleaf forest to loblolly pine plantations; conversion of longleaf forest to agriculture; and commercial and residential development.