U.S. Fish & Wildlife Service





www.fws.gov/charleston

www.fws.gov/southeast/endangered-species-act/at-risk-species

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

## Species facing threats to their survival

### Tricolored bat

(Perimyotis subflavus)



Tricolored bat / Photo credit: USFWS

## **Description**

inches (21 to 26 cm). lowish-brown in the middle, and dark at status review. the tips. The wing membranes are blackish, but the face and ears have a pinkish Threats color. An obvious identifying characteris- WNS is a major threat to tricolored bats. minimize impacts to bats. Continue with tic of this species is the pink color of the Populations of this species have declined education and outreach efforts on the speskin on the radius bone. The feet are also greatly since 2006. The first case of WNS cies. relatively large compared to its body size. in South Carolina was confirmed in a tri-

## Range

statewide in South Carolina.

## **Habitat**

foraging habitat use by tricolored bats.

### **Status**

NatureServe's Rounded Global Status is southern hibernation sites unsuitable. G2 - Imperiled (Global Status last changed on 3/12/2015) and is listed as a Highest Management/Protection Needs Priority species in the South Carolina State law protects all bat species in South 2015 State Wildlife Action Plan. Once Carolina. Habitat protection and manageconsidered relatively common throughout ment recommendations include working South Carolina, this species has recently to prevent or reduce disturbance to natubeen affected by white-nose syndrome ral and artificial roost structures, as well (WNS) and populations are in decline. as to maternity colonies and hibernacula. WNS, first detected in bats in New York Where and when possible, create or mainin 2006, is a disease that is killing hiber-tain patches of structurally diverse forest, nating bats in eastern North America. providing a variety of suitable roosting and Before WNS, the range of this species was maternity sites. Forestry practices should The tricolored bat, formerly known as the expanding westward from South Dakota incorporate buffers around known roosts, eastern pipistrelle (*Pipistrellus subflavus*), is to Texas and New Mexico. The U.S. Fish foraging areas, and migration corridors via a small bat weighing 0.2 to 0.3 ounces (5 and Wildlife Service (Service) was peti- landowner incentive programs, conservato 8 gr) and has a wingspan of 8 to 10 tioned to list the species in June 2016. A tion easements, lease agreements, or pur-The term 90-day finding, published in December chases. "tricolored" refers to the bat's yellowish- 2017, indicated the petitioned action may use, especially around known foraging brown coat that is dark at the base, yel- be warranted. The Service has initiated a areas and maternity roosts. Continue to

colored bat at Table Rock State Park in References March of 2013. In 2014, two other cases NatureServe. 2017. NatureServe Explor-The tricolored bat is a common bat found of WNS were confirmed. Disturbance or er: An online encyclopedia of life [web throughout the forests of the eastern U.S., destruction of natural and artificial roost application]. Version 7.1. NatureServe, and is distributed from Canada south into structures also pose threats to the species, Arlington, Virginia. Available http:// Mexico and west into Michigan, Minneso- especially to hibernacula and maternity explorer.natureserve.org. ta, and Texas. The species can be found roosts. Wind turbines have the potential to impact the species, especially if erected South Carolina Department of Natural near roosts, colony sites, and along migra- Resources - South Carolina Bat Conservatory pathways. Pesticide poisoning, espe-tion Plan: January 2017 Tricolored bats are associated with forest-cially organochlorines and anticholinesed landscapes, often in open woods. They trase, is a concern as it has been shown to **Contact** can also be found over water and adjacent cause population declines in insectivorous U.S. Fish & Wildlife Service to water edges. In South Carolina, sparse bats. Habitat loss due to deforestation of South Carolina Field Office vegetation and early successional stands oak forests from Sudden Oak Death dis- 843/727-4707 were found to be the best predictor of ease may pose a threat to habitats critical morgan\_wolf@fws.gov

to forest-dwelling bats. Climate change also has the potential to threaten the species as increased temperatures may make

Minimize large-scale pesticide survey and monitor for the species. Further research is also needed to identify the best placement of wind turbines so as to