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Conserving South Carolina's At-Risk Species:

Species facing threats to their survival

Chamberlain's dwarf salamander

(Eurycea chamberlainii)



Chamberlain's dwarf salamander/Steve Bennett-SCDNR

Description

salamander (Eurycea having a yellow underside that lacks any due to low detection probability. markings. Chamberlain's dwarf salamander is a very small salamander averaging approximately 2.5 cm (0.9 in.) in total length.

Range

Chamberlain's dwarf Salamander has a small or moderate range (not fully documented) in the southeastern United States; apparently not particularly rare nor abundant. Further taxonomic study is needed to clarify the range of this species. Chamberlain's dwarf salamander has been detected in the Piedmont region and cen- Status tral coastal plain of North Carolina, the Little data exists on the population status South Carolina Department of Natural of South Carolina, and also from Alabama, South Carolina and thus has no official 2010-2015. Georgia, and Florida.

records exist for the species from Aiken, ing by the Service found that listing may South Carolina Field Office Allendale, Barnwell, Calhoun, Colleton, be warranted. Currently the species is 843/727-4707 Lee, Oconee, Pickens, Richland and Sum- undergoing a status review. ter counties.

Habitat

cally found in wet areas, particularly seep- tory of this species, but like most other ages near small streams, and other wet- salamander species they are threatened by land types. This species is most typically habitat loss and alteration, in particular, found under leaf litter and small debris in forestry practices that alter the canopy these habitats. The species can be difficult structure of their habitat. Chamberlain's to survey for because unlike other species dwarf salamander deposits eggs in aquatic of dwarf salamanders that occur in a num- habitats such as springs, seeps, and small ber of habitat types, Chamberlain's dwarf streams, and has aquatic larvae which insalamander was most commonly observed habit these wetlands. Any alteration of with leaf or pine straw litter along the these habitats could affect the species. edge of seep streams, or small debris piles in the terrestrial uplands adjacent to seep- Management/Protection Needs age wetlands. During recent survey work Actions needed to manage and protect Chamberlain's dwarf salamander is a new-conducted by the South Carolina Depart-existing populations of the Chamberlain's ly described species that was recognized as ment of Natural Resources (SCDNR), the dwarf salamander consist of: maintaining distinct from the more common, dwarf species was occasionally observed at current regulations/statutes protecting quadridigittata). depths of 15 cm. or greater, thus leading wetlands and streams; protection of Chamberlain's dwarf salamander is lighter researchers to believe that the salamander known populations; conducting further in color than the more common form, may be under-represented in collections taxonomic study; supporting survey ef-



Chamberlain's Dwarf Salamander (Eurycea chamberlaini) occurrence records

State status. The U.S. Fish and Wildlife Service (Service) was petitioned in April Contact In South Carolina, element occurrence 2010 to list the species and a 90-day find- U.S. Fish & Wildlife Service

Threats

Chamberlain's dwarf salamander is typi- Little is known about the specific life his-

forts; education.

References

Harrison, J. H. III and S. I. Guttman. 2003. A new species of Eurycea (Caudata: Plethodontidae) from North and South Southeastern Naturalist Carolina. (2):159-178.

NatureServe. 2015. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. Available http:// explorer.natureserve.org.

Piedmont region and upper coastal plain of the Chamberlain's dwarf salamander in Resources—State Wildlife Action Plan:

morgan_wolf(a)fws.gov