U.S. Fish & Wildlife Service **April 2019**





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Conserving South Carolina's At-Risk Species:

Species facing threats to their survival

Saltmarsh sparrow

(Ammospiza caudacuta)



Saltmarsh sparrow; Photo credit: USFWS

Description

tidal marshes, the saltmarsh sparrow can about 9% per year between 1998 and encouraging sediment flow to allow be easily distinguished from similar spar- 2012, indicating an overall loss of 75% of marshes to enlarge. Phragmites removal rows (such as seaside sparrows) by its the global population during that time, and subsequent restoration of elongated cone-shaped bill, short tail, or- Saltmarsh sparrows are on Partners in natural marshes is also important. ange-buffy eyebrow and throat patches, Flight's Red Watch List, the highest level More extreme solutions such as the and triangular shaped gray patches over of conservation concern and have been creation of floating marsh islands and back of the neck to the sides of the neck lantic Coast Joint Venture (ACJV). The Conservation planning work has also been and separates the crown pattern from that U.S. Fish and Wildlife Service is currently conducted to identify and map areas on the back of the body. The breast and conducting a discretionary review of the where the bird occurs and how these sides have strong black streaks on a yel- species for potential listing under the En- areas may change under future sea-level lowish wash; the back shows white dangered Species Act. stripes. Legs are light brownish pink to pale brown. Populations of the bird south **Threats** of New Jersey tend to be darker than pop- Tidal flooding and predation are the priulations further north.

Range

influenced, herbaceous wetlands from the the species' problems, sea level rise is the South Carolina Field Office

Delmarva Peninsula south to Florida along most difficult to address. the Atlantic and central Gulf coasts.

Habitat

saltmarshes throughout the year. saltgrass, and needlerushes are key parts Nelsons' of the breeding habitat, but some birds more susceptible to mercury pollution. nest in the upper intertidal parts of the marsh in smooth cordgrass. In winter, Management/Protection Needs they use very similar habitats.

Status

A medium-sized sparrow of eastern U.S. Rangewide surveys estimated a decline of into, reducing marsh erosion, and

mary causes of death for eggs and young. References Predators may include snakes, other birds, Greenlaw, J. S., C. S. Elphick, W. Post, and mammals. Other causes of mortality and J. D. Rising (2018). Saltmarsh The saltmarsh sparrow is restricted to tid- include nest abandonment during egg lay- Sparrow (Ammospiza caudacuta), version al salt marshes of the eastern U.S. It ing, infertility, eggs that are not viable, 2.1. In The Birds of North America Peninsula (Maryland/Virginia) and the There is limited information on causes of Ornithology, Ithaca, NY, USA. lower Chesapeake Bay. There is no con-adult mortality but adult female mortality https://doi.org/10.2173/ clusive evidence of breeding, now or in has been documented during predatory bna.sstspa.02.1 the past, from the coastal marshes of attacks on nests at night. A number of North Carolina. The overwintering range raptor species have also been implicated in **Contact** is fragmented and restricted to tidally- adult saltmarsh sparrow deaths. Among U.S. Fish & Wildlife Service

Increasing coastal development will make it difficult for saltmarsh habitat to move inland as sea levels rise. Habitat degradation is further Saltmarsh sparrows are restricted to tidal exacerbated from polluted runoff, poor For water quality, and invasive plants such as nesting, they generally prefer higher- the common reed (Phragmites australis). elevation, drier portions farthest removed There is also evidence to suggest that saltfrom the reach of the tide, though this marsh sparrows acquire higher levels Saltmeadow cordgrass, of toxic mercury than seaside and sparrows, so they may be

Management actions under consideration include protection of adjacent uplands for marshes to move the ear. A gray collar extends from the designated a "flagship species" by the At- captive breeding also have been discussed. rise scenarios. Visit the ACJV website for more information: https://acjv.org/ saltmarsh-sparrow-2/

breeds from Maine south to the Delmarva parasites, starvation, and nest-tipping. (P. G. Rodewald, Editor). Cornell Lab of

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