

Building Capacity for Reserves to be Motus Wildlife Tracking Leaders

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ACE Basin NERR

ACE Basin NERR Stewardship and Coastal Training Programs hosted a workshop to organize a coastal working group of partners interested in hosting a Motus receiving station. Partners were required to secure funds for the equipment and provide long-term maintenance, and ACE Basin staff provided guidance and assistance on siting, construction, installation, and interpretation.



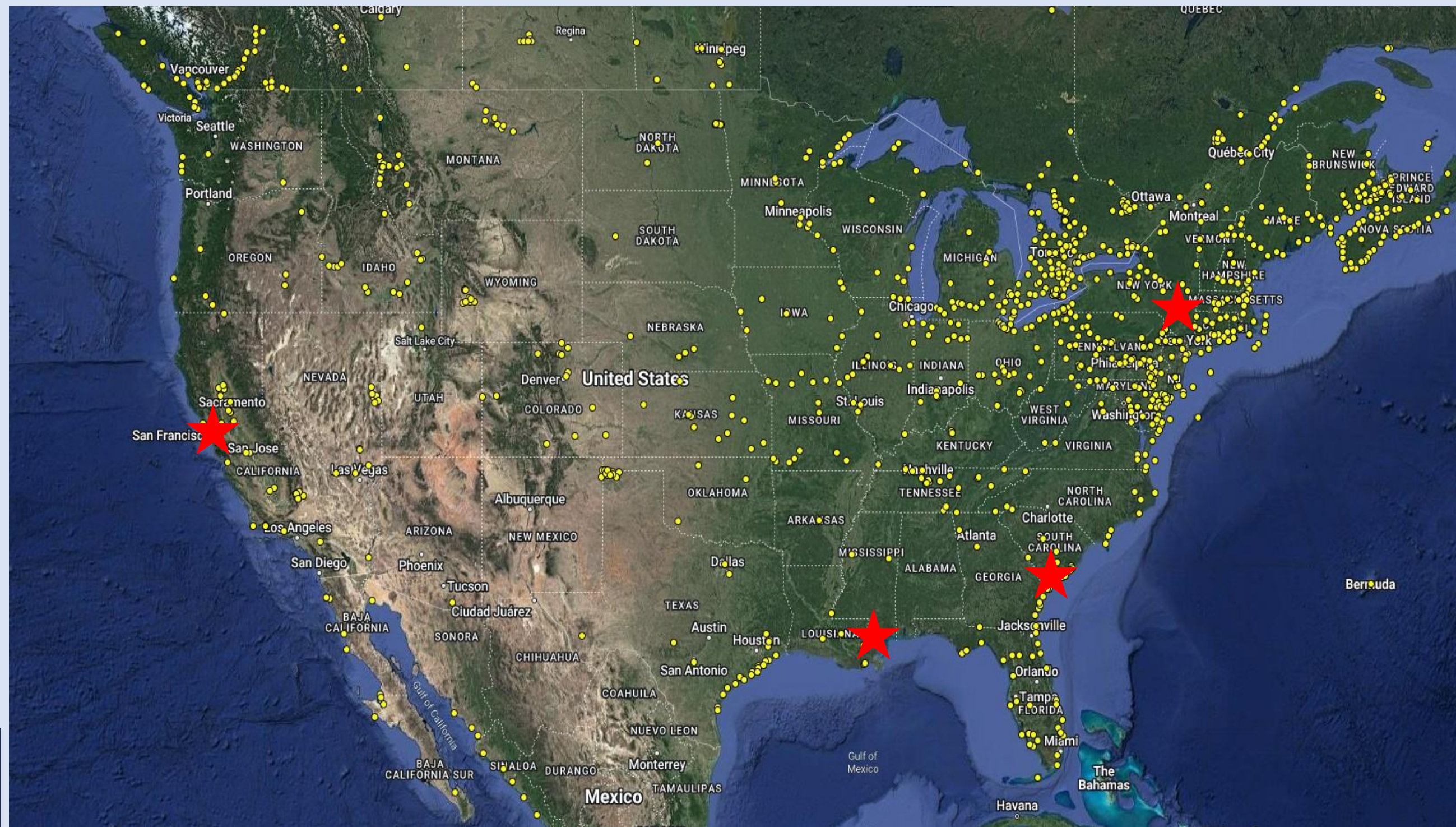
ACE Basin staff help coastal SC partner build Motus Receiving Stations
1) Nemours Wildlife Foundation 2) Port Royal Sound Maritime Center 3) Harbor Island

Outcomes of the Workshop

- ACE Basin NERR helped 12 partners construct and implement 9 Motus Receivers in our area
- Partners expanded this system up the coast and inland SC

Overview

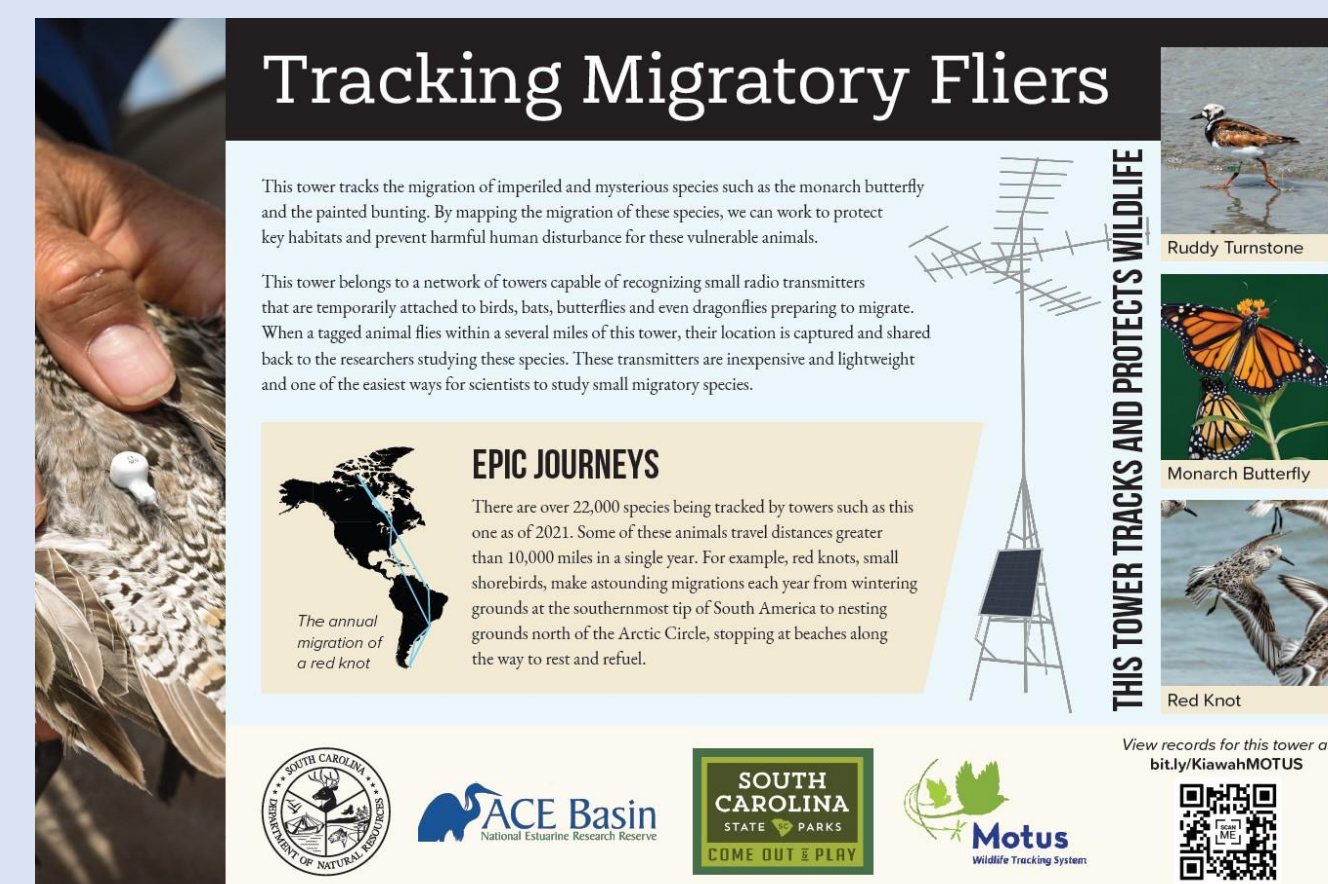
The Motus Wildlife Tracking System is an open source international collaborative network of community hosted radio-telemetry receivers and wildlife researchers. The National Estuarine Research Reserve (NERR) system operates in biogeographical regions that provide critical habitats for many migratory bird species, many of which are experiencing dramatic population loss due to climate change and coastal development. This project intends to build the capacity of Reserves to implement Motus and convene regional partnerships. It positions the Reserves to become regional Motus leaders and experts.



Project Approach and Outputs

ACE Basin NERR works with each of the three other Reserves to:

- Build a similar workshop and partnership model focused on regional needs
- Provide technical assistance to construct Motus Receiving Stations
- Provide stewardship and outreach support for regional partners, including customizable interpretive signage



Interpretive signage was developed for each reserve to customize

This project was funded by the NERRS Science Collaborative.

Hudson River NERR

Workshop Objectives

- The Hudson River NERR will be a catalyst for a Hudson Valley Motus network by hosting two forums.
 1. Convene partners prioritize suitable receiver installation sites
 2. Partner with ACE Basin NERR staff to provide training on



Motus Receiving Station building components

Workshop Outcomes

- First forum held November to begin building regional network
- Monthly meetings have been held between reserve partners to further develop building plan.
- Building workshop will be held November 2023

Grand Bay NERR

Workshop Objectives

- Participants understand the components of MOTUS, limitations, data collection and management, and how data can inspire stewardship conduct research, and inform conservation decisions
- Participants are aware of local projects that incorporate Motus
- Participants evaluate what funding opportunities are available to partner in future projects

Outcomes of the Workshop

- 28 Participants including staff from state and federal government, as well as outreach professionals and conservation organizations.
- Regional working group formed

San Francisco Bay NERR

Workshop Objectives

- Participants understand the components of MOTUS, limitations, data collection and management, and how data can inspire stewardship conduct research, and inform conservation decisions
- Participants understand how to support tagging efforts



ACE Basin and SF Bay NERR staff build a Motus Receiving Station at Rush Ranch and host regional workshop with local partners

Workshop Outcomes

- 48 participants including researchers, outreach professionals, and land managers.
- Regional Participatory maps created to establish working groups

