

MARY MACK GRAY

Avian ecologist with over 10 years' experience with imperiled & endangered species. My expertise includes reintroduction ecology, cooperative breeding, behavior, fire-dependent endemics, and habitat use & mgmt. Research interests include behavior and causes & consequences of biodiversity loss.



EDUCATION

May
2019
|
Aug
2017

MSc Wildlife Ecology & Conservation

University of Florida

📍 Gainesville, FL

• Advisor: Kathryn Sieving. GPA 4.0

Dec
2012
|
Aug
2008

BS Biological Sciences

North Carolina State University

📍 Raleigh, NC

• Ecology, Evolution, and Conservation. GPA 3.8

RESEARCH EXPERIENCE

present
|
May
2019

Avian Research Biologist

Tall Timbers Research Station

📍 Tallahassee, FL

- Research and conservation of imperiled SE pineland endemics
- Project management: Motus tower (Principal investigator); BH Nuthatch long-term research (Co-PI); BACS occupancy on public/private lands (Co-PI); banding workshops; organizing conferences; training interns/biologists
- Manuscript, technical, & grant writing; science communication; public speaking & (award-winning) presentations; develop field protocols for land managers, scientists; data mgmt, analysis
- Communication, engagement with stakeholders: landowners, the public, Board of Trustees, & various non-profit, federal, & state collaborators; effective communication; timely project delivery
- Work closely with land mgmt team to maintain habitat; prescribed burning; habitat resource inventories; point counts

May
2017
|
Aug
2016

Biological Technician

US Fish & Wildlife Service

📍 St Mark's, FL

- Endangered Frosted flatwood salamanders: inserting PIT tags; captive rearing; habitat mgmt
- Red-Cockaded Woodpecker monitoring, banding

Aug
2016
|
Feb
2015

Research Technician

Tall Timbers Research Station

📍 Tallahassee, FL

- RCWO, Bachman's Sparrows, Brown-headed Nuthatches: banding & re-sighting, genetic sampling, behavioral research, cross-fostering
- Eastern Grasshopper sparrows: capture, radio-tagging; helped with captive breeding pilot program for endangered Florida Grasshopper sparrows

CONTACT

✉ graymarymack@gmail.com

📞 (336) 337-6463

🔗 [ResearchGate](#)

in [LinkedIn](#)

SOFTWARE SKILLS

R

ArcGIS

Microsoft Office, Access

Some SQL, CSS

RESEARCH STRENGTHS

Research design, implementation

Project, small teams, budget mgmt

Data analysis & mgmt; multivariate statistics

Publication record, technical & grant writing, science communication, public speaking

Excellent inter-personal skills, experience with variety of stakeholders

Genetic sampling, bird banding (>800 individuals), modern field techniques

Federal & Non-profit experience

Jan 2015
|
Sept
2014

Field Technician

Cornell University

📍 Brisbane, QLD, AUS

- Red-backed and Variegated Fairy-wren nest searching, behavioral research, banding & re-sighting

July
2014
|
Jan 2014

Avian Ecology Intern

Archbold Biological Station

📍 Venus, FL

- Florida Scrub-Jay monitoring, research; collection, maintenance of the longest-running bird dataset in North America



SELECTED PUBLICATIONS

Dec
2021

Cooperative breeding behavior emerges early in restored populations of the Brown-headed Nuthatch (*Sitta pusilla*)

Pre-print. DOI: 10.1676/19-00146

📍 Wilson Journal of Ornithology

- Cox, J.A., MM Gray, H.E. Levy, G.L. Slater

2021

The nuthatch and the hare: Slow explorers dominate in a re-established population of the Brown-headed Nuthatch (*Sitta pusilla*) two decades later

Accepted

📍 Avian Conservation & Ecology

- Gray, MM, K. Sieving, J.A. Cox

Jun
2016

Tool usage by juvenile (*Sitta pusilla*) Brown-headed Nuthatch

<https://doi.org/10.1656/058.015.0209>

📍 Southeastern Naturalist

- Gray, MM, E. Schunke, J.A. Cox

📍 Places I've Worked (2014-)



ORGANIZATIONS & AWARDS

2022
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2019

Florida Ornithological Society

Vice President

- Cruickshank Research Award 2018 (\$2,500)

2021
|
2019

American Ornithological Society

Member

- Mark E. Hauber Award - Best Oral Presentation on Behavior

Made with the R package [pagedown](#).

Source code by nstrayer
available [on github](#).

Last updated on 2021-12-11.