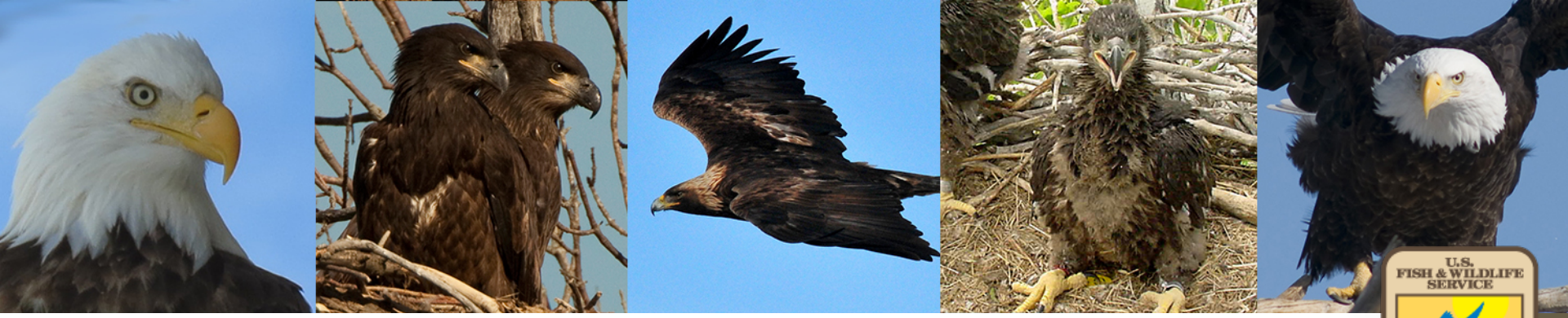


# Eagle Biology, Life History and Ongoing Research

*March 18, 2015 - Denver, Colorado*

*Brian Millsap, National Raptor Coordinator,*
*U.S. Fish and Wildlife Service – Headquarters*

# Eagle Biology

## Topics Covered

**Distribution:** Diet and Habitat

**Population Biology:** Population Size and Status

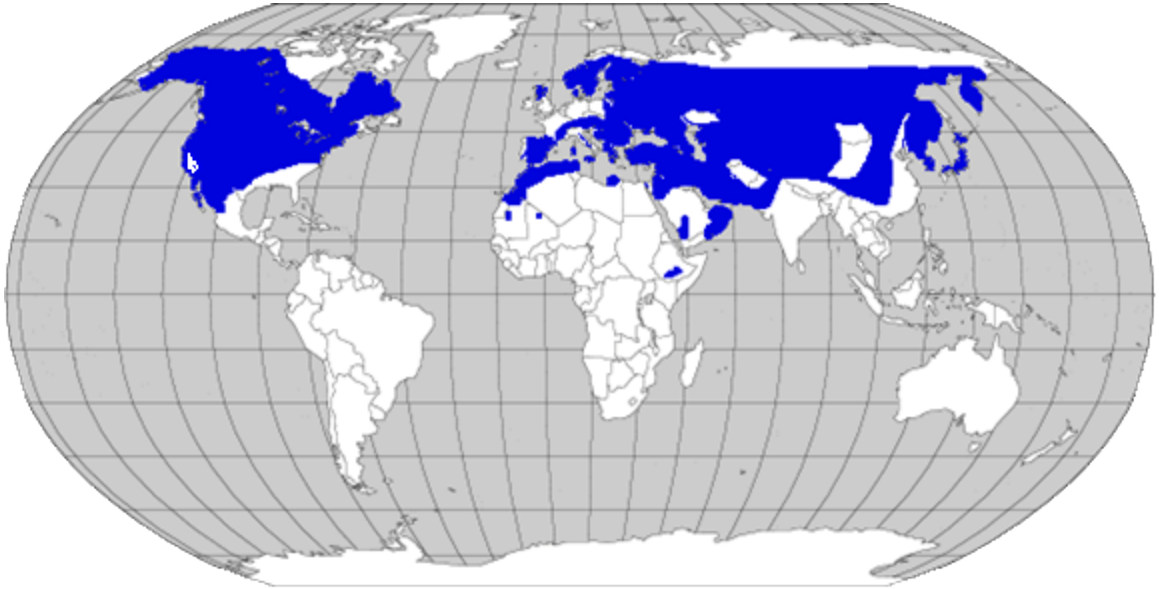
**Movements:** Migration and Dispersal

**Threats:** Causes and Rates of Mortality

**Research:** Ongoing Research Activities

B. Millsap

# Golden Eagle Distribution



# Golden Eagle Diet

Photos B. Millsap

# Golden Eagle Habitat

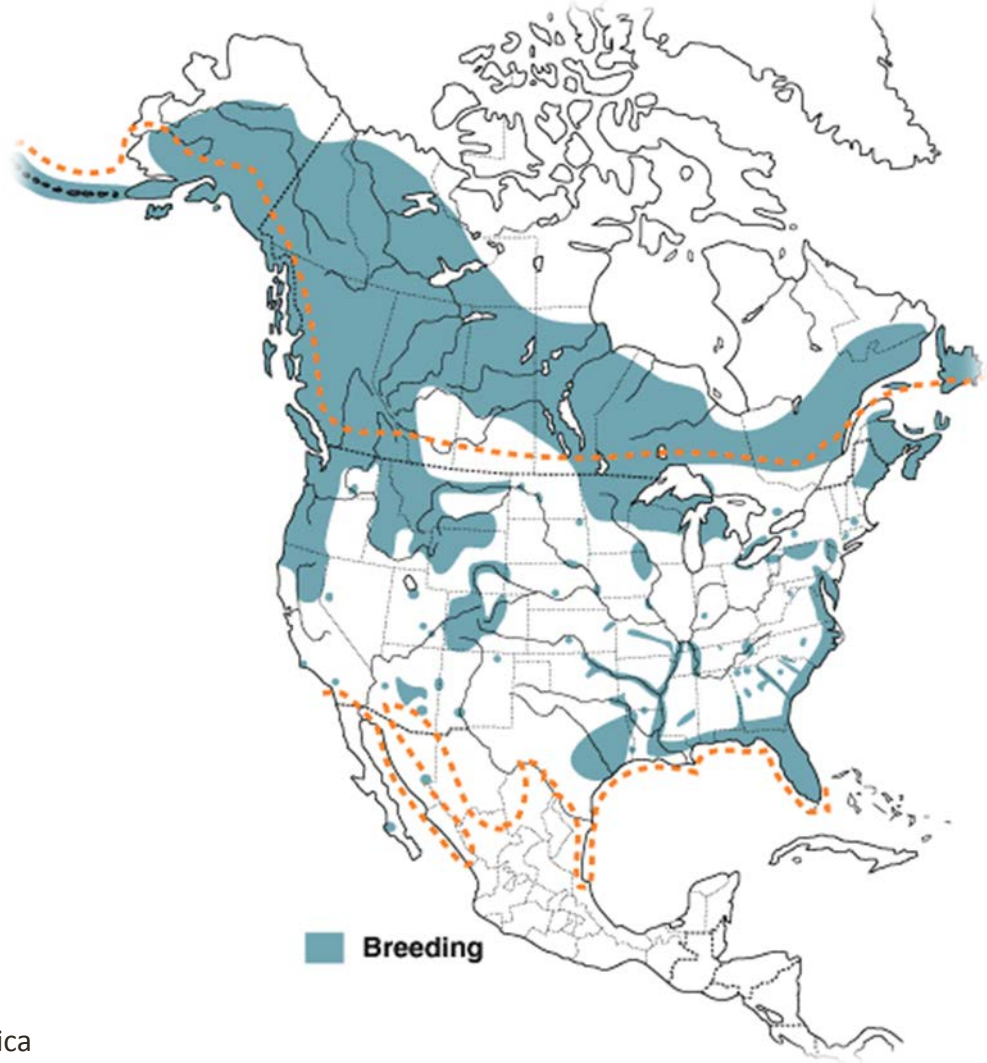
D. Stahlecker

agron.ksu.edu

D. Stahlecker

fs.fed

# Bald Eagle Distribution




Birds of North America

# Bald Eagle Diet

# Bald Eagle Diet

# Bald Eagle Habitat

USFWS R5

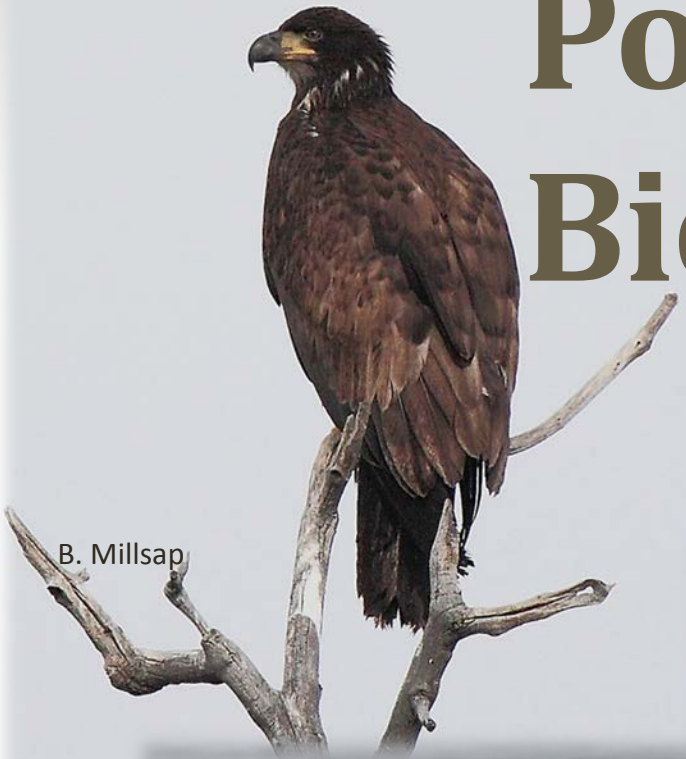
Michael Quinton

Ruth Baker

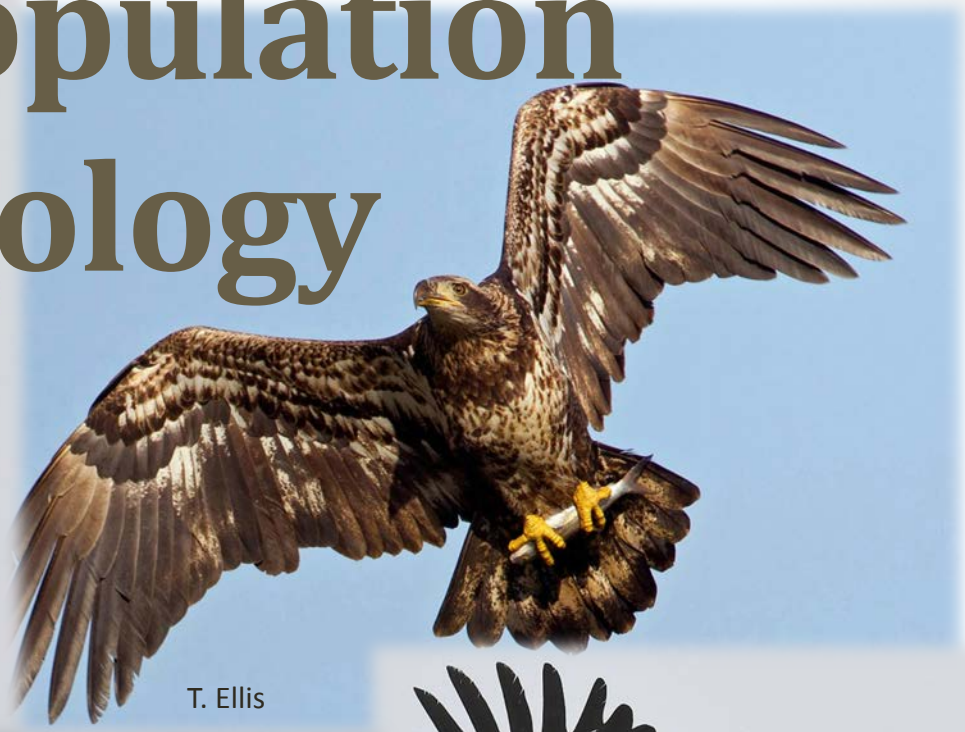
Miami Herald

# Scavenging

# Population Biology



B. Millsap

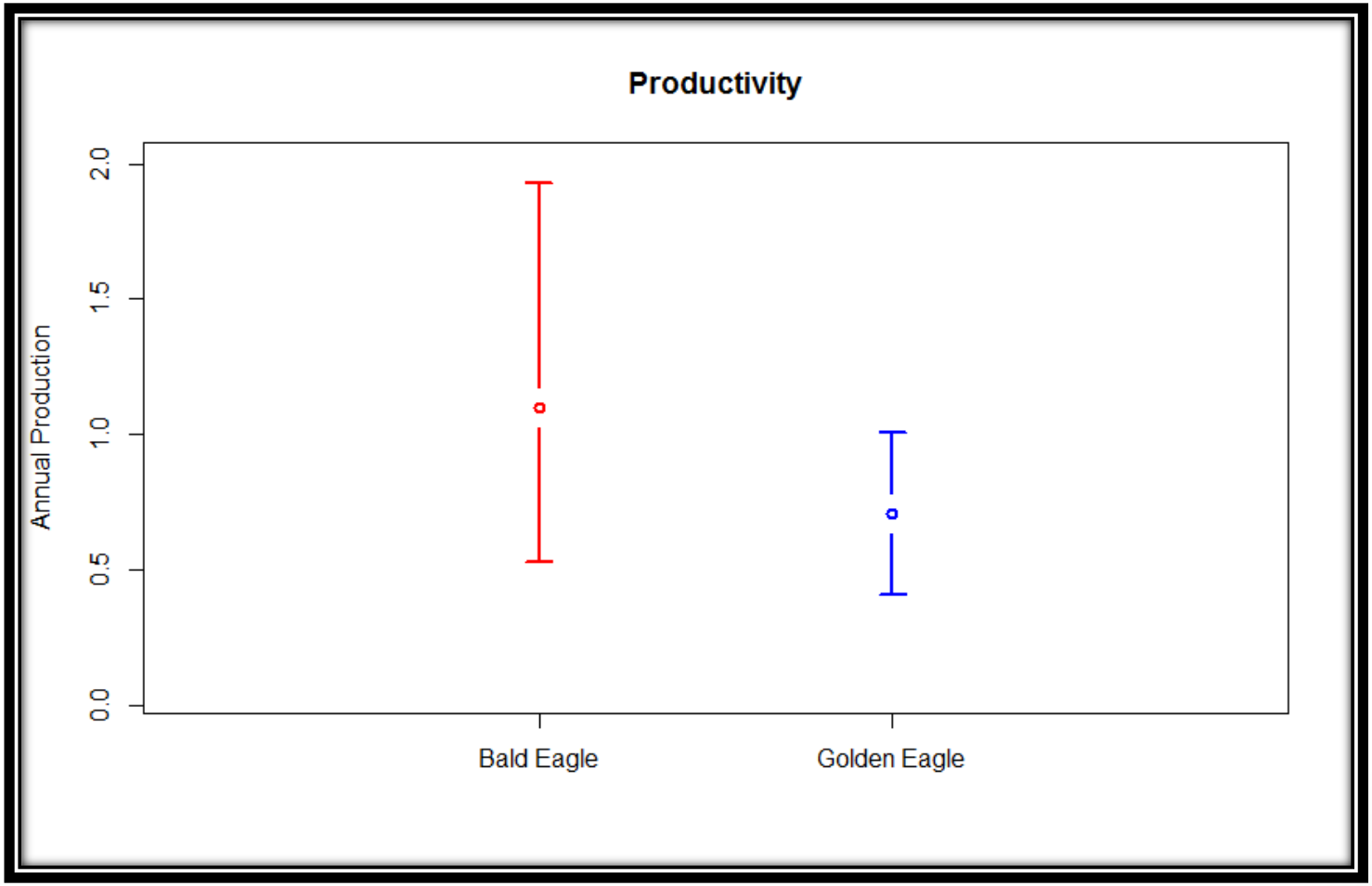


T. Ellis

birdsofcolorado

# Breeding Biology

# Productivity



# Survival Rates

# Survival Rates

B Millsap

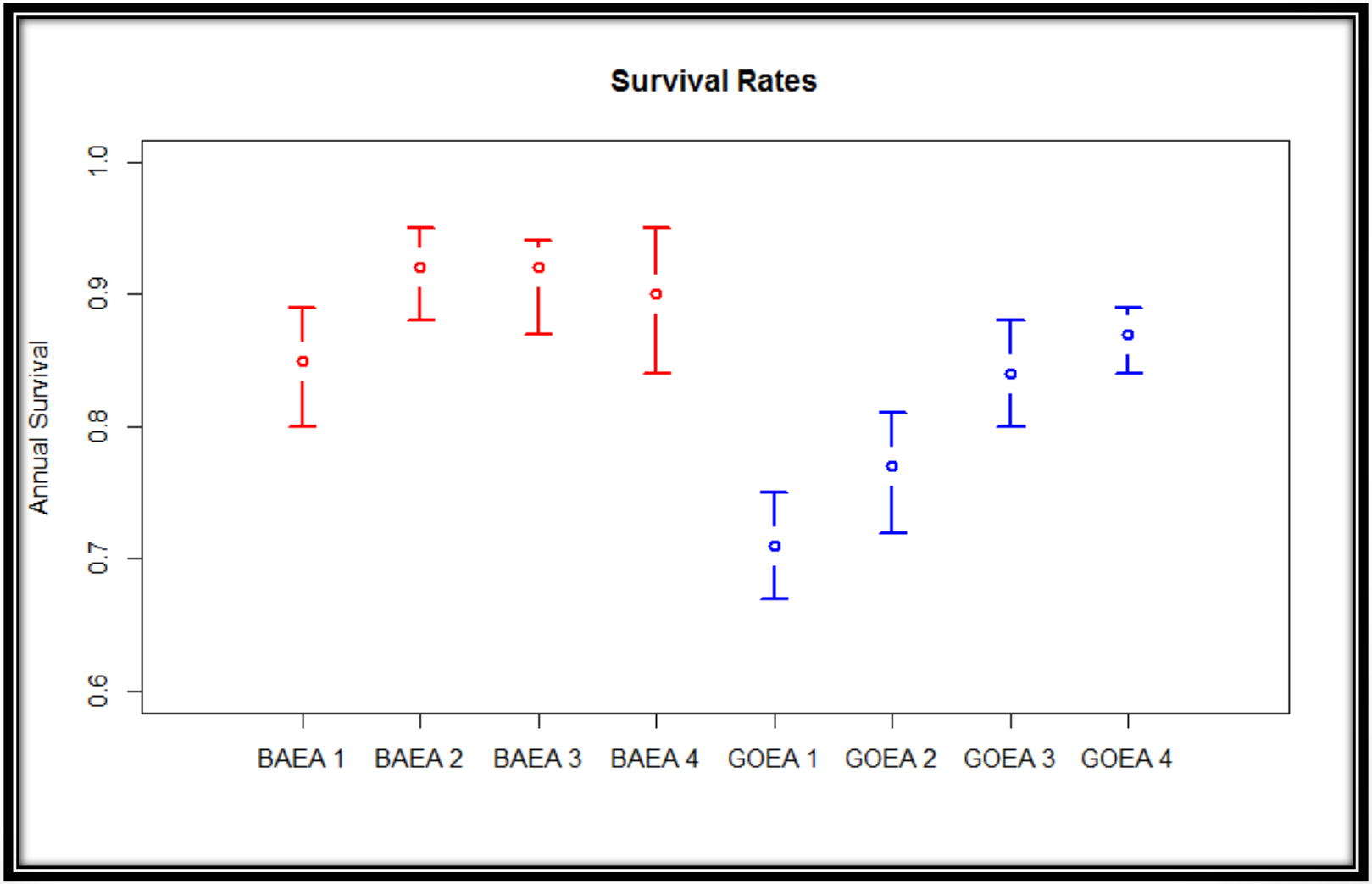
B Millsap

# Survival Rates

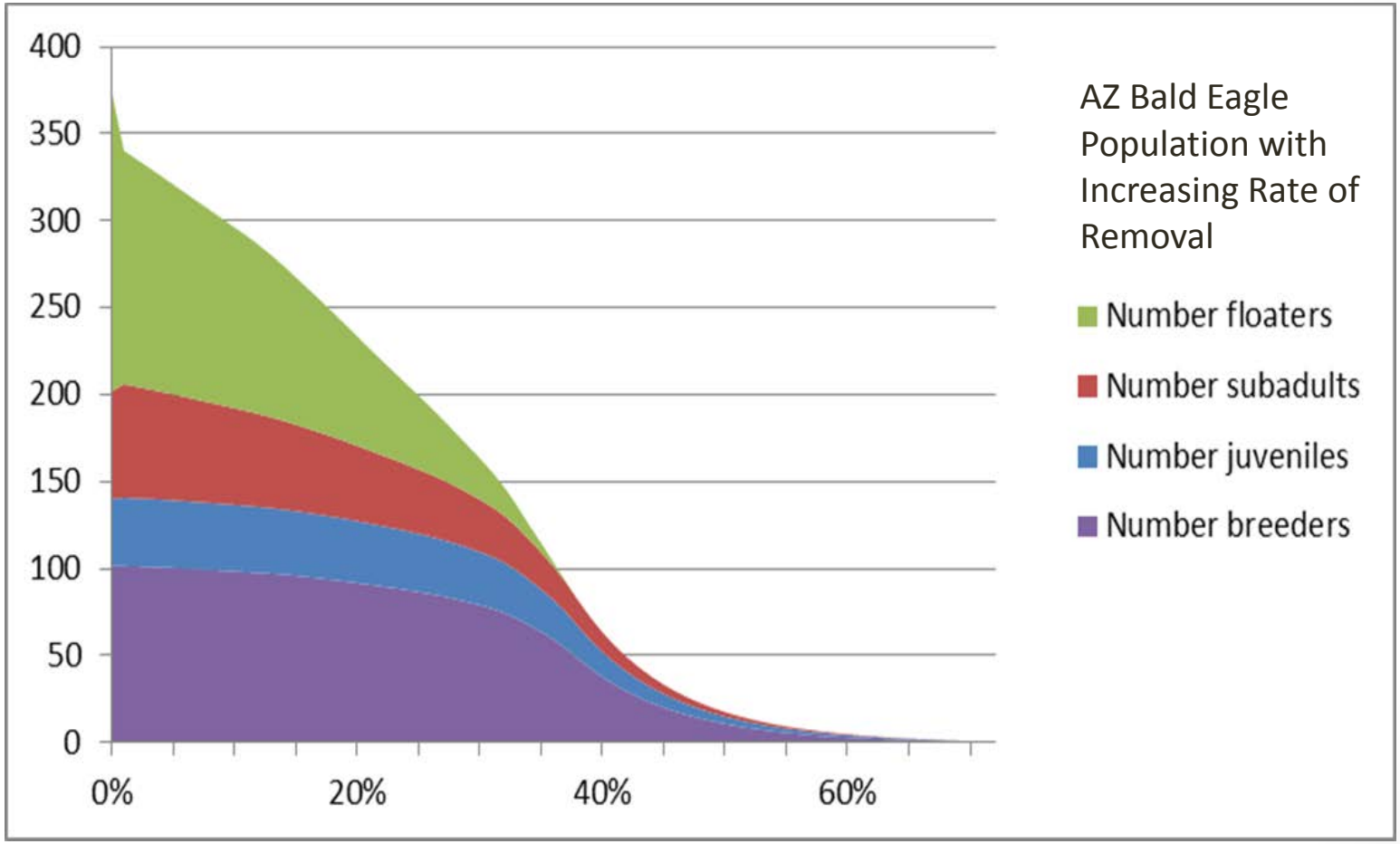
Center for Conservation Biology

# Survival Rates

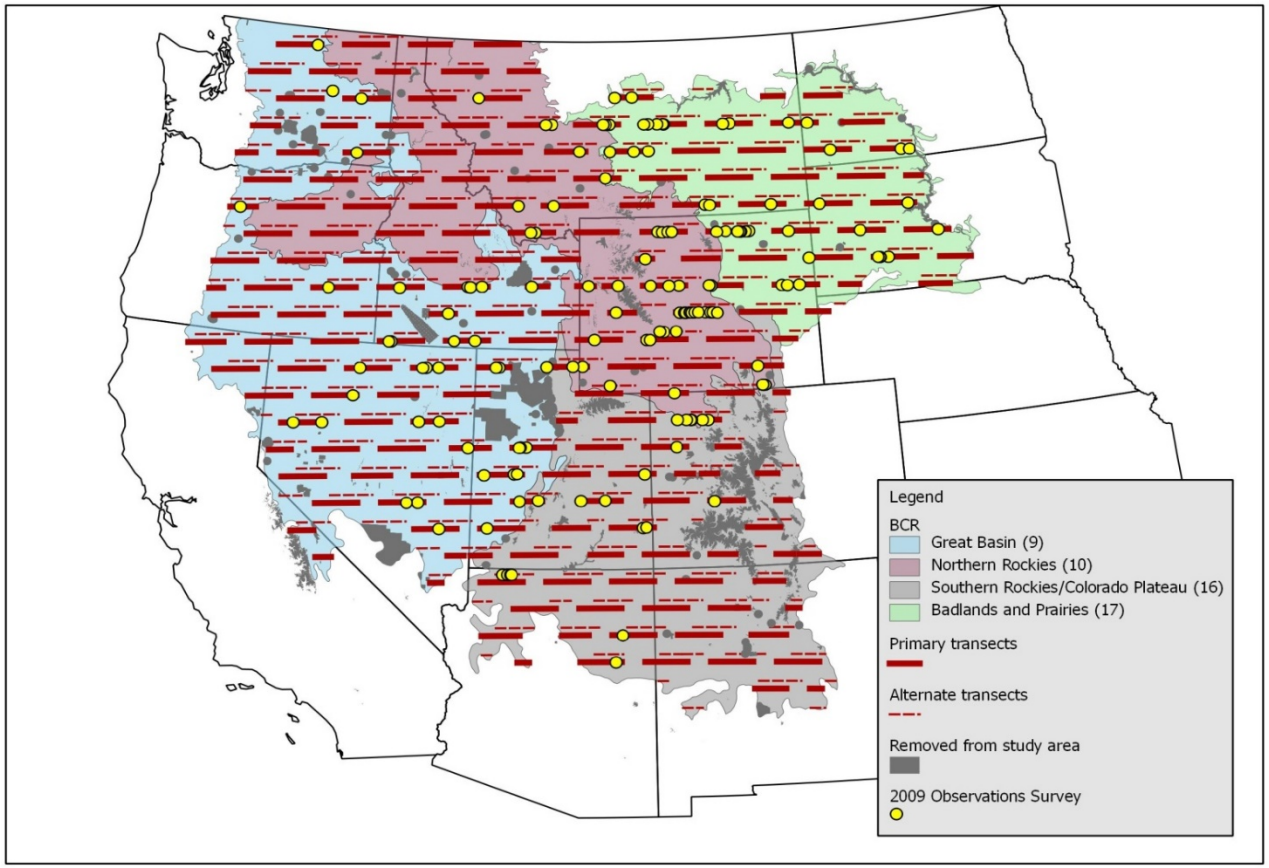
# Survival Rates



# Population Biology



# Golden Eagle Status



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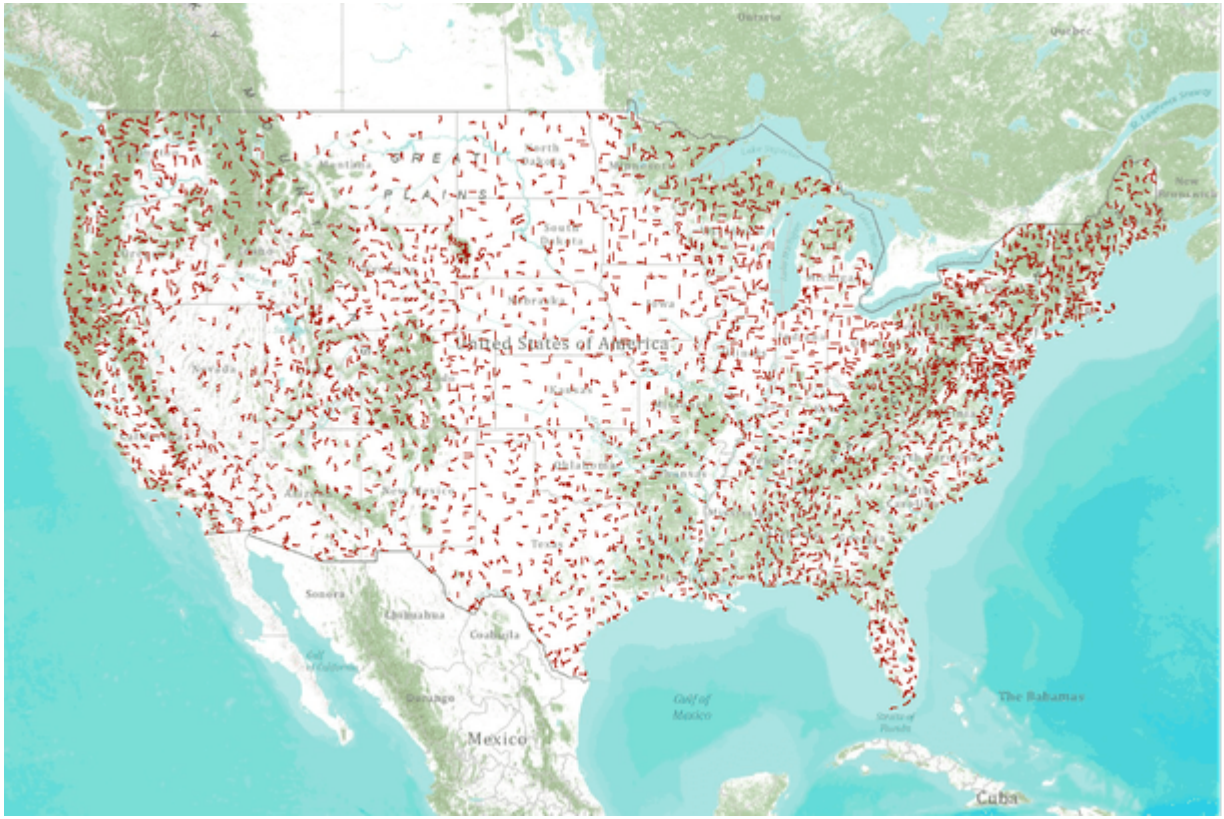

# Golden Eagle Status

The Journal of Wildlife Management 77(7):1436–1448; 2013; DOI: 10.1002/jwmg.588

*Population Ecology*

**Golden Eagle Population Trends in the Western United States: 1968–2010**

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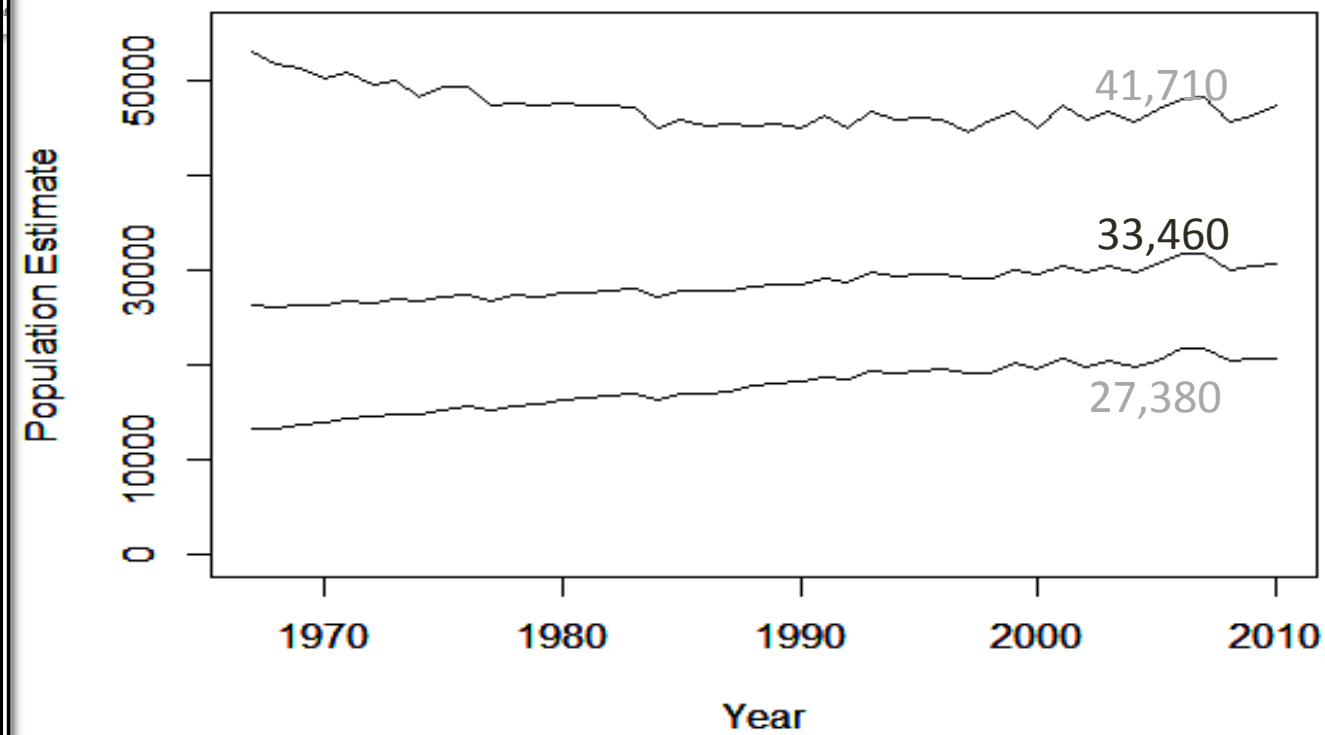
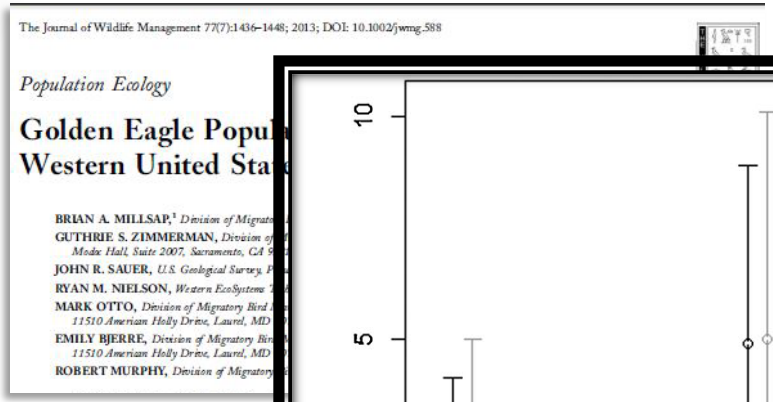


# Golden Eagle Status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*Population Ecology*

**Golden Eagle Popul**
**Western United Sta**

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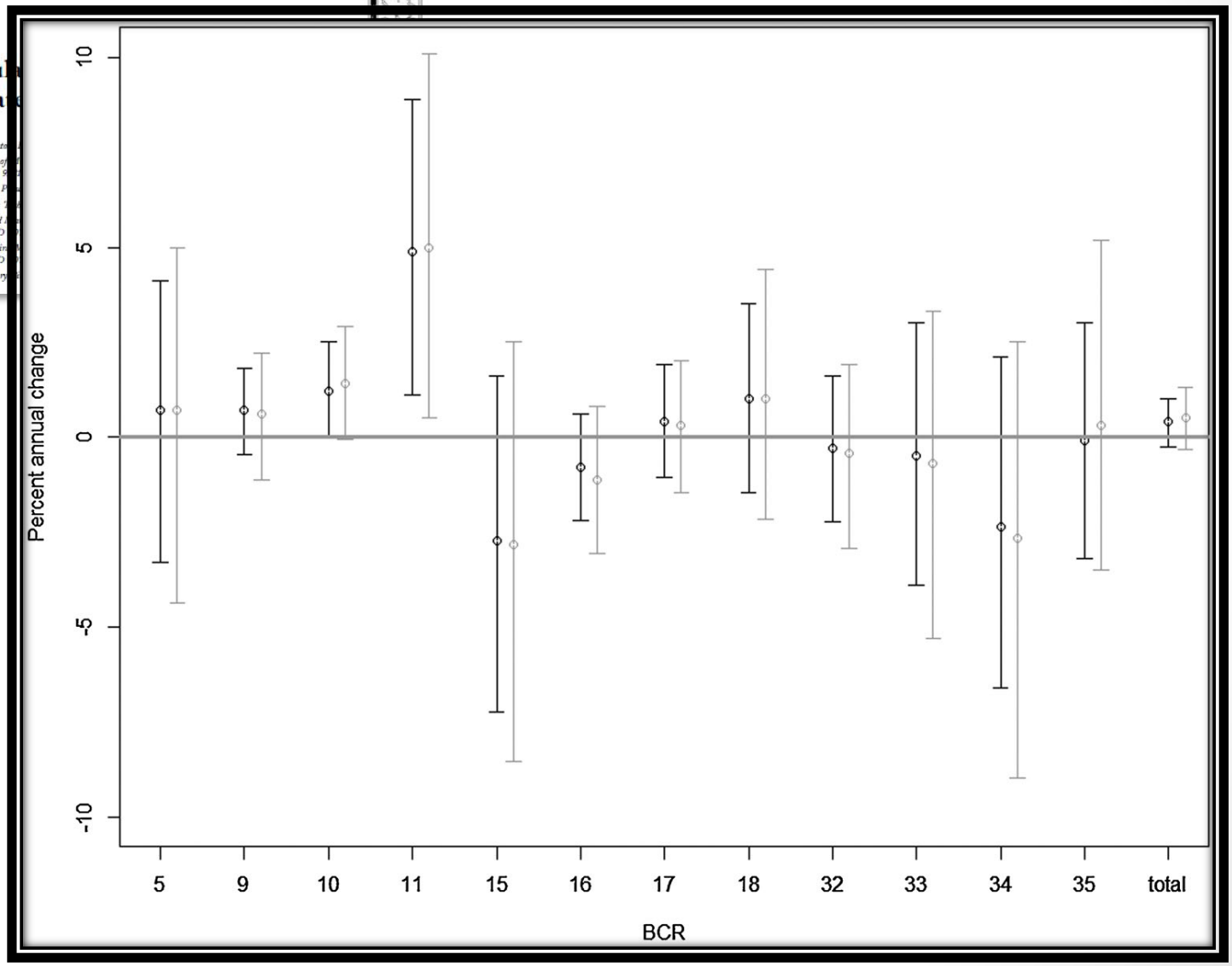

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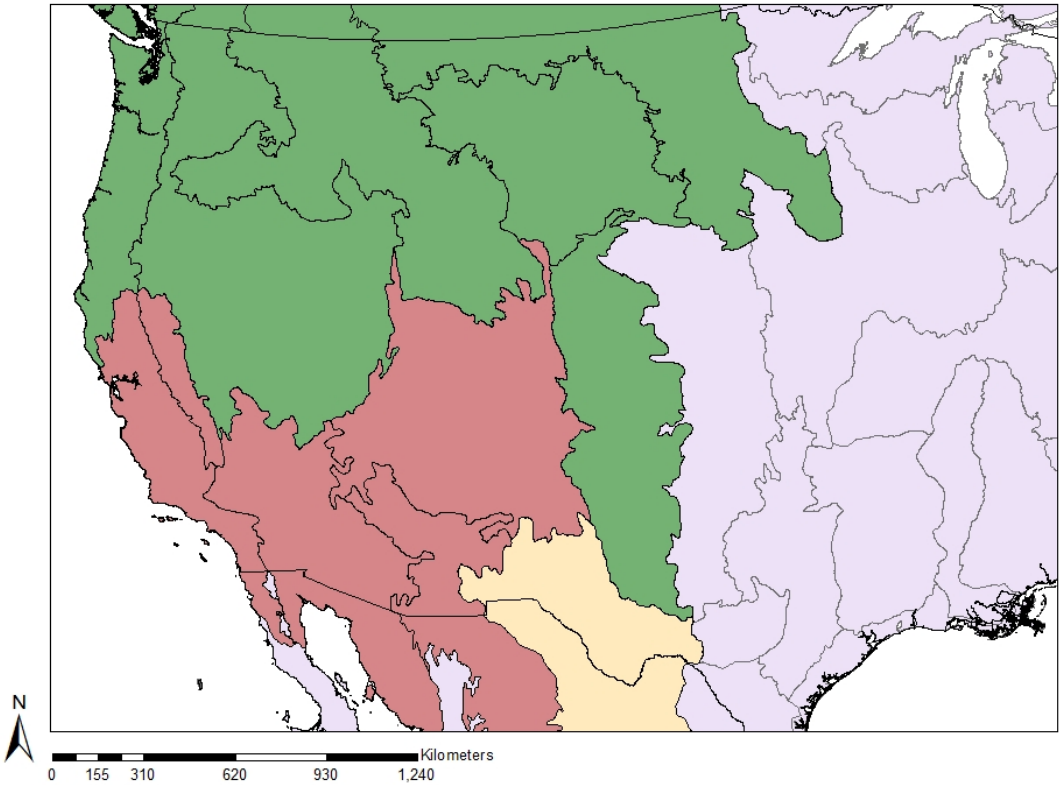
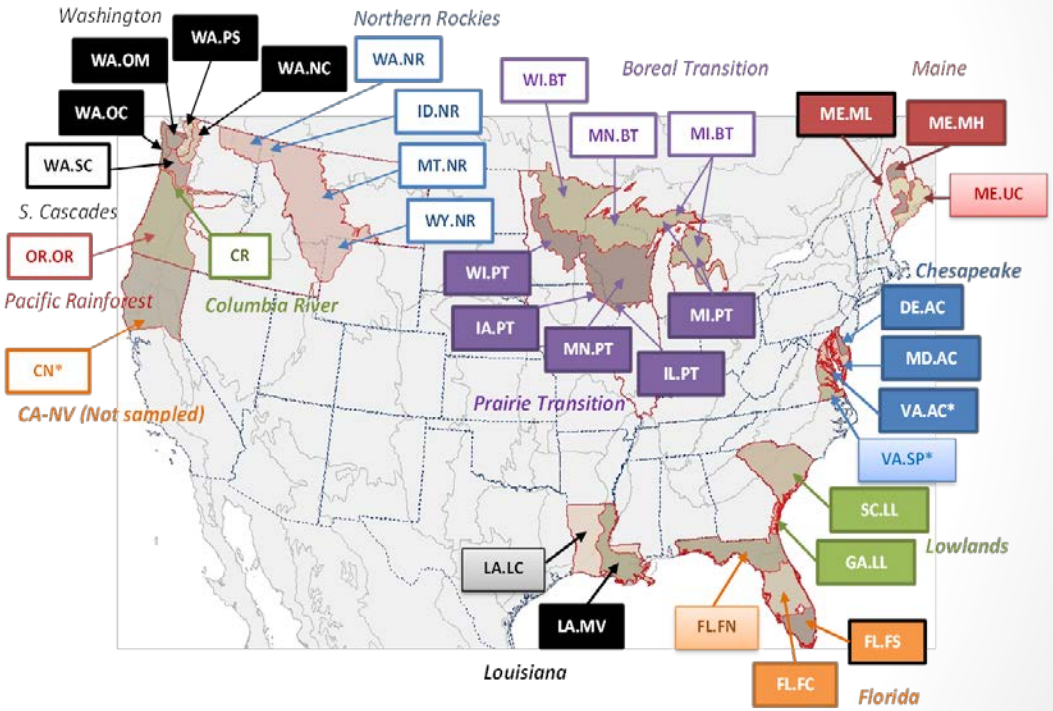


# Bald Eagle Status



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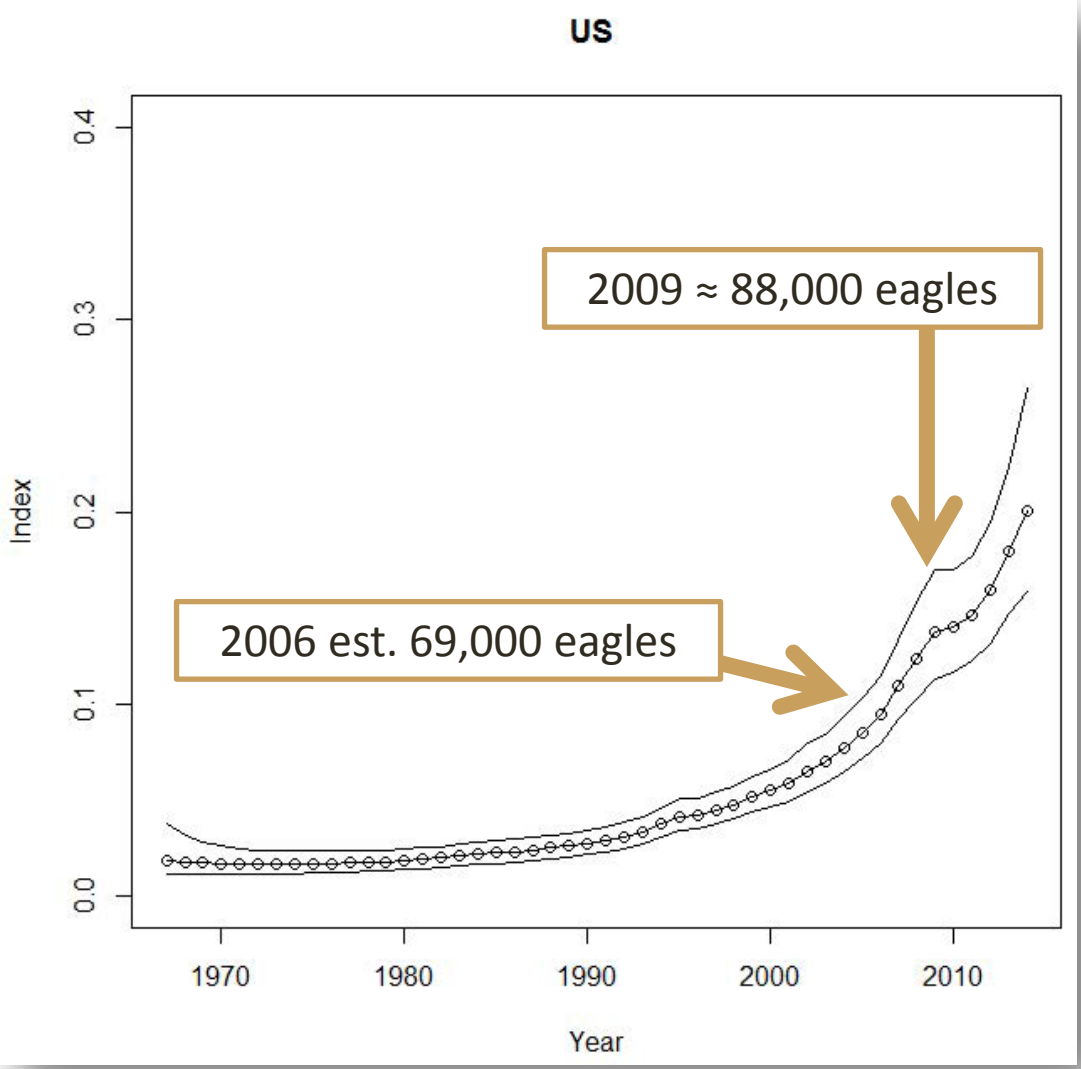

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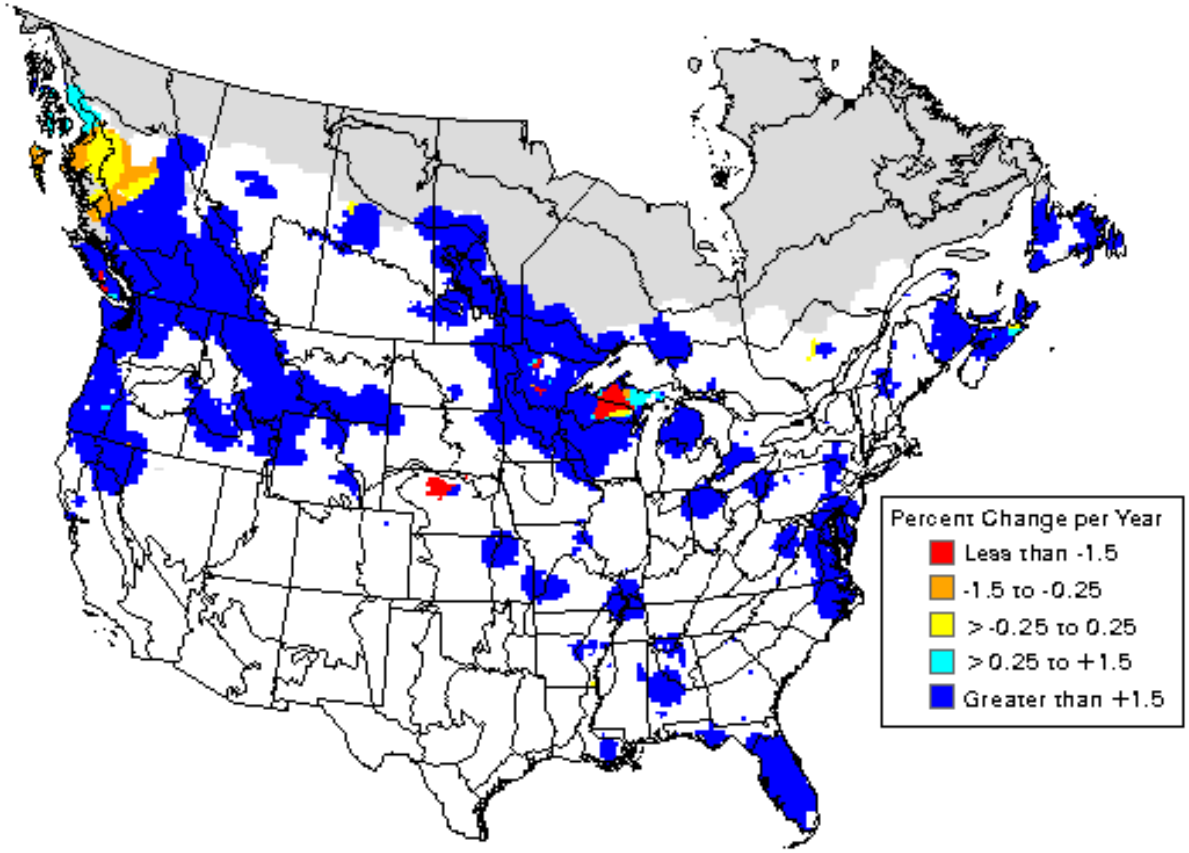
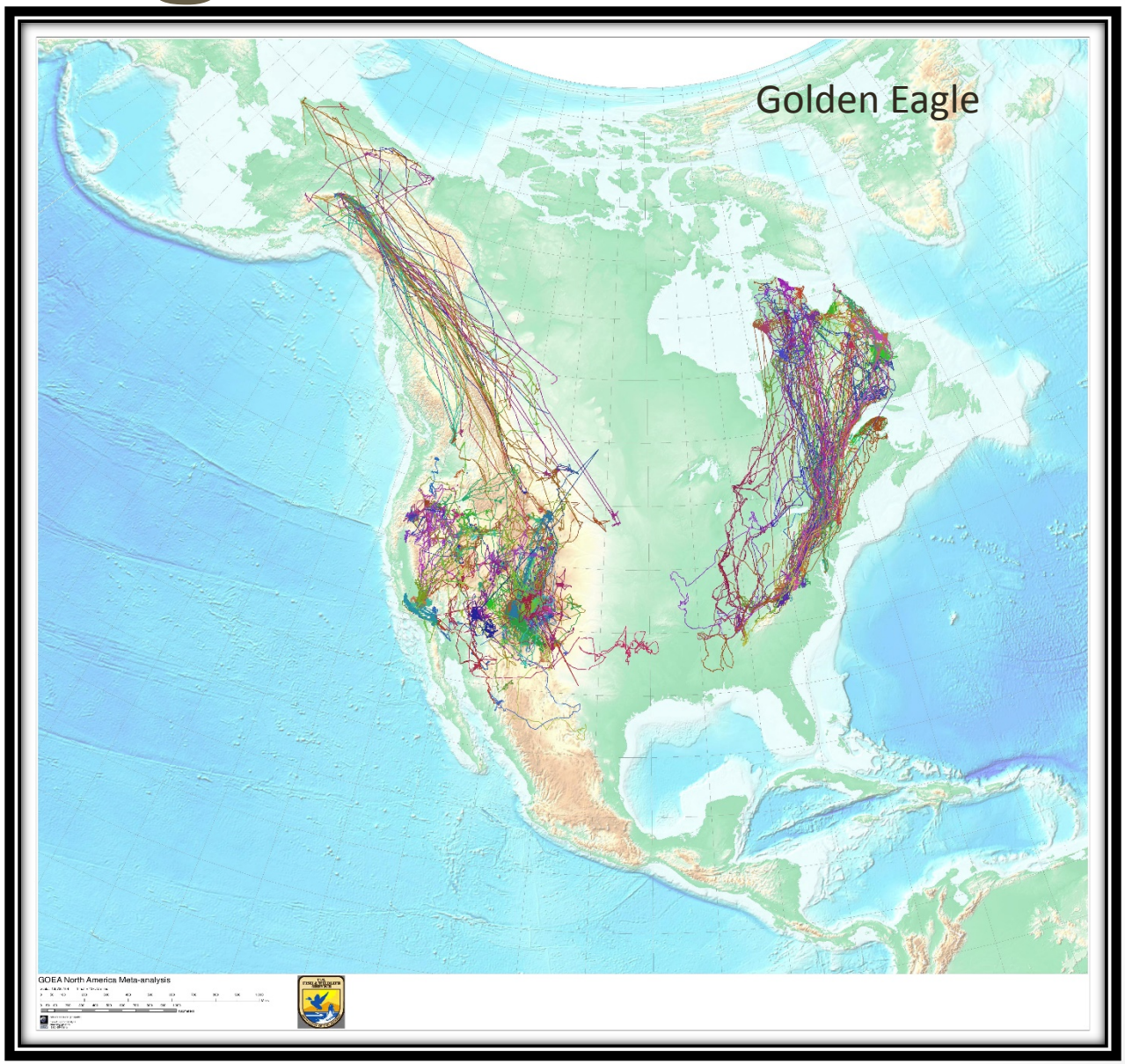
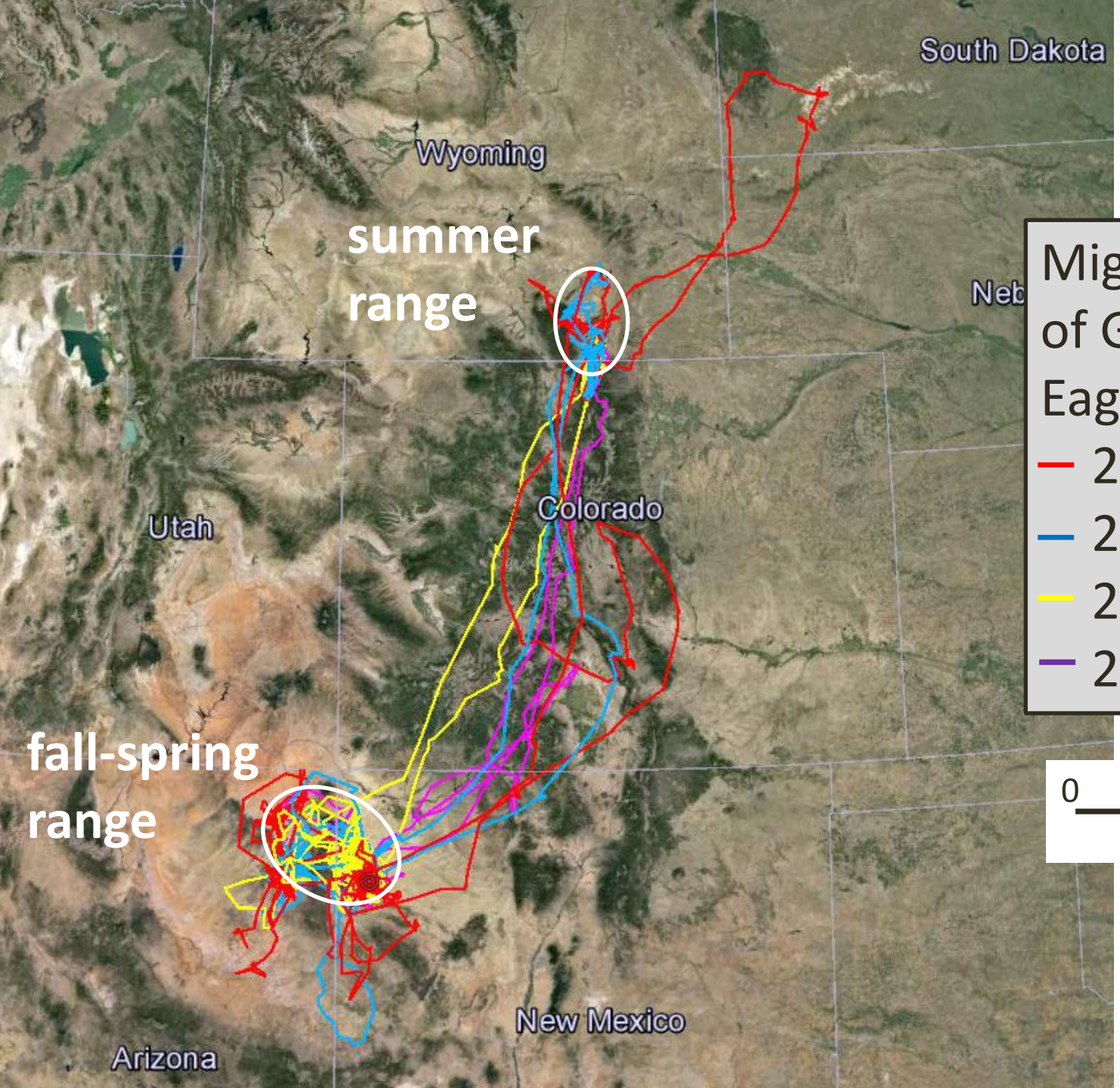


# Eagle Movements



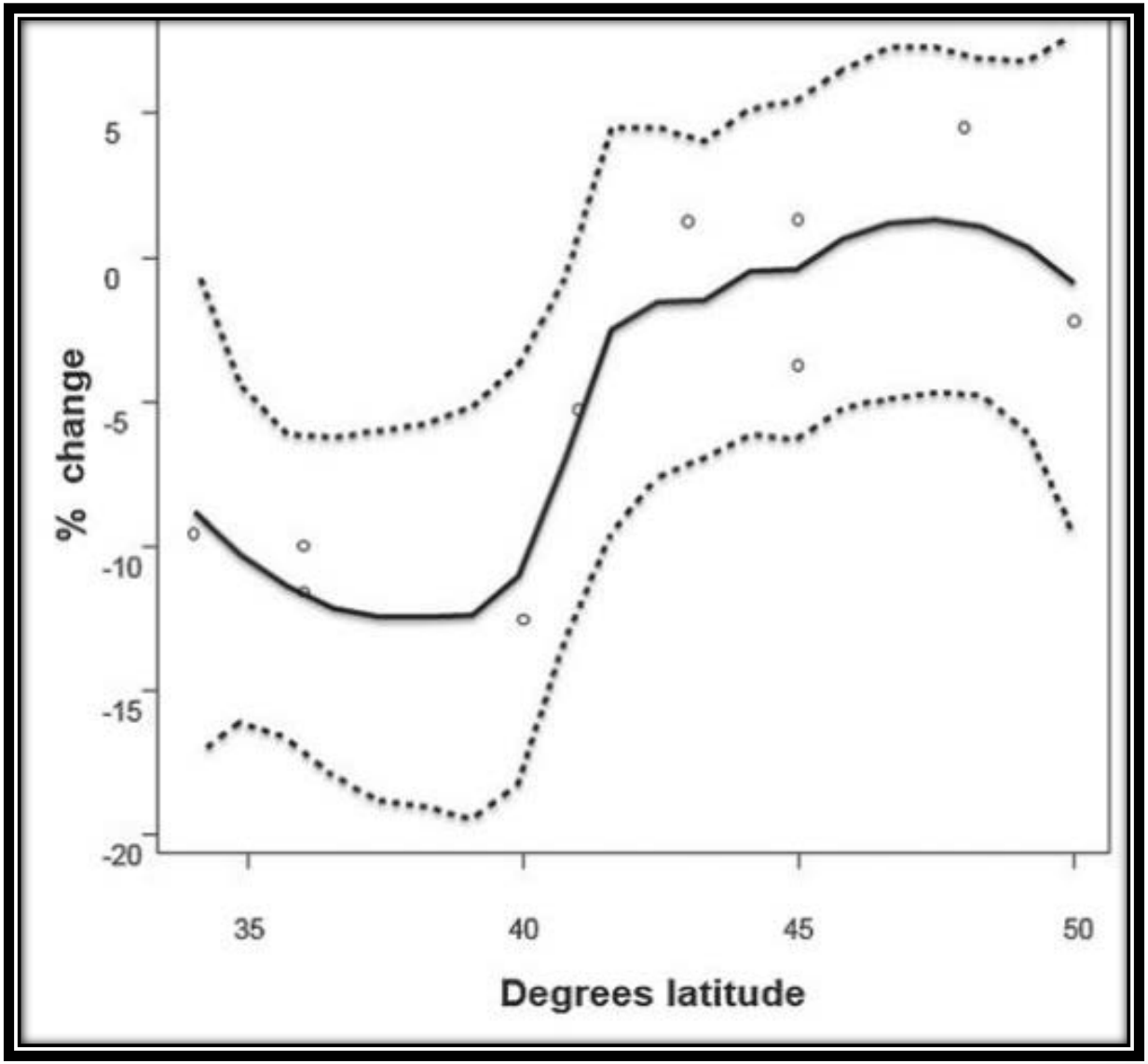



Migrations of Golden Eagle 49139

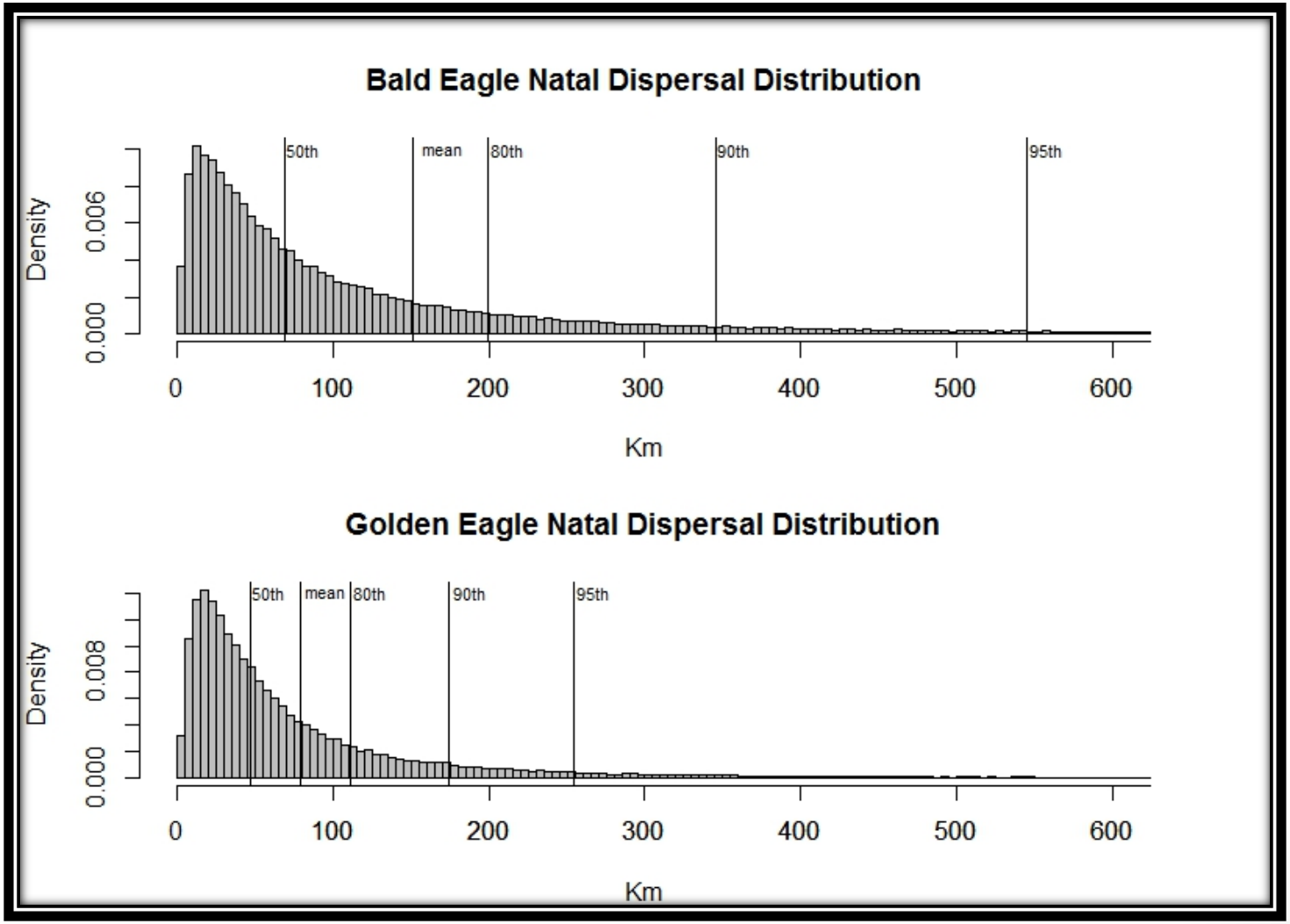
- 2011
- 2012
- 2013
- 2014

0 250 km

# Changing Migration?



# Natal Dispersal



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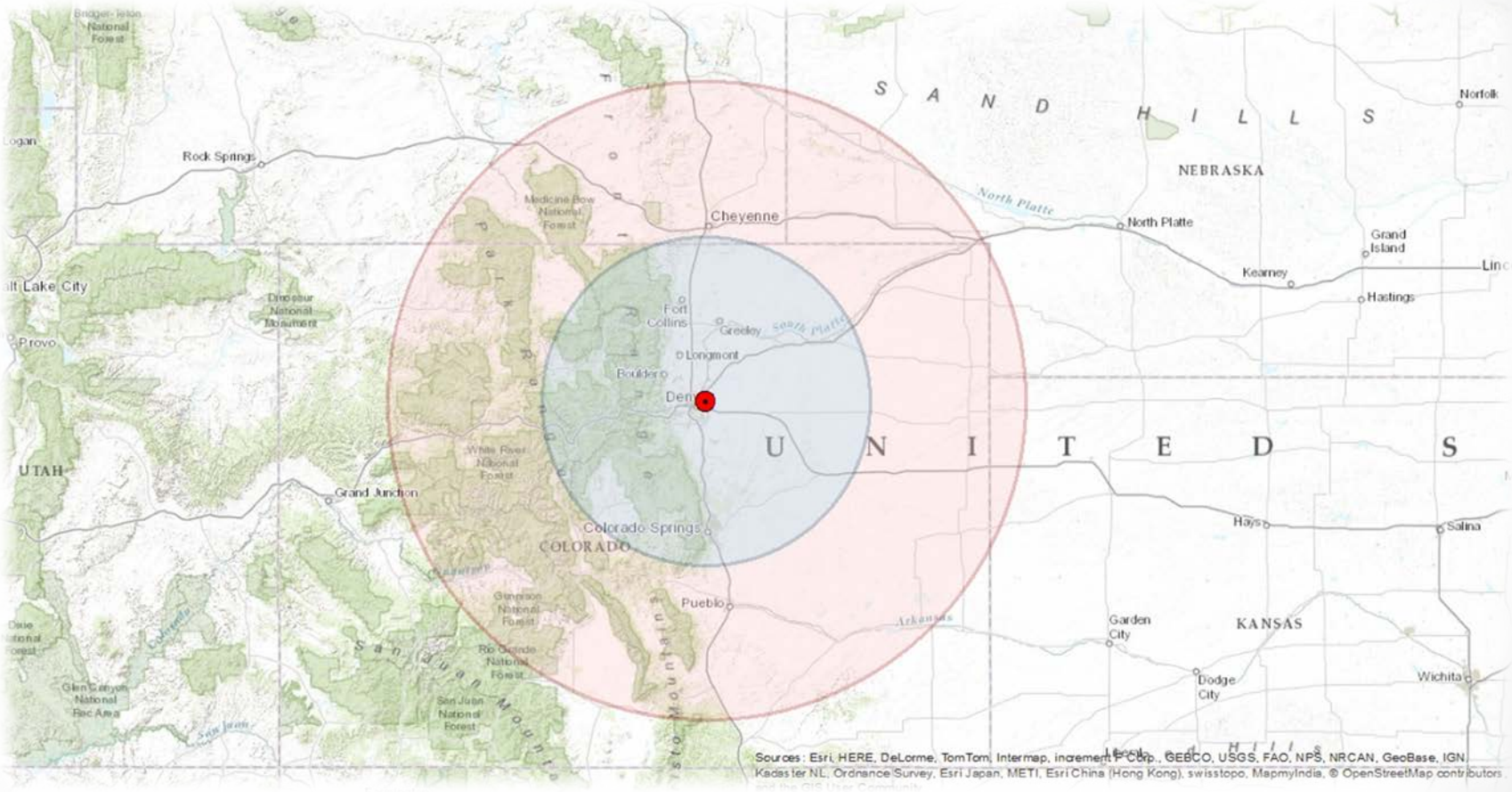
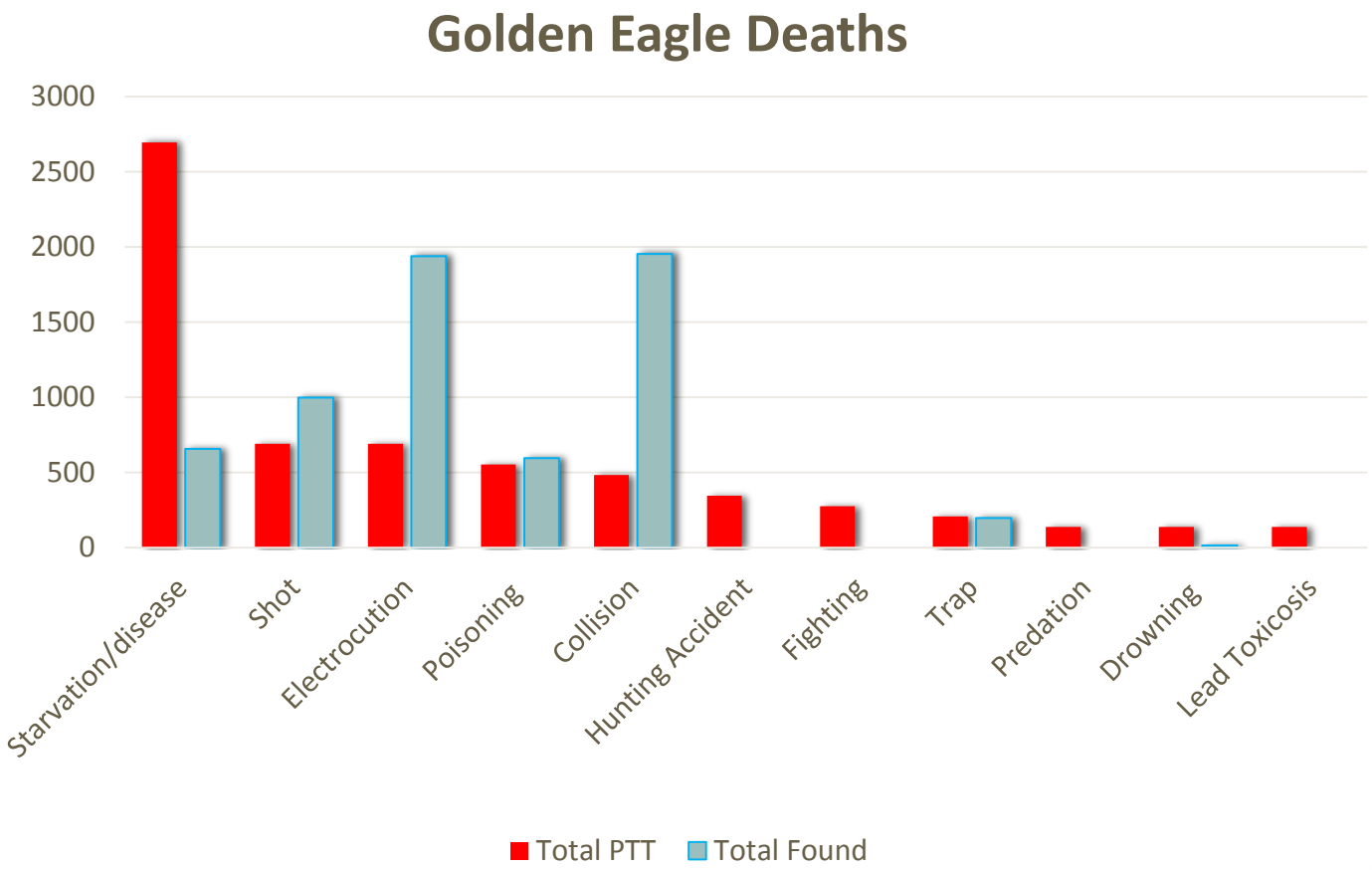


# Threats

# Causes of Mortality



# Management

# Questions and Discussion