Western Golden Eagle Conservation Team

California-Nevada Golden Eagle Working Group Update
November 2015



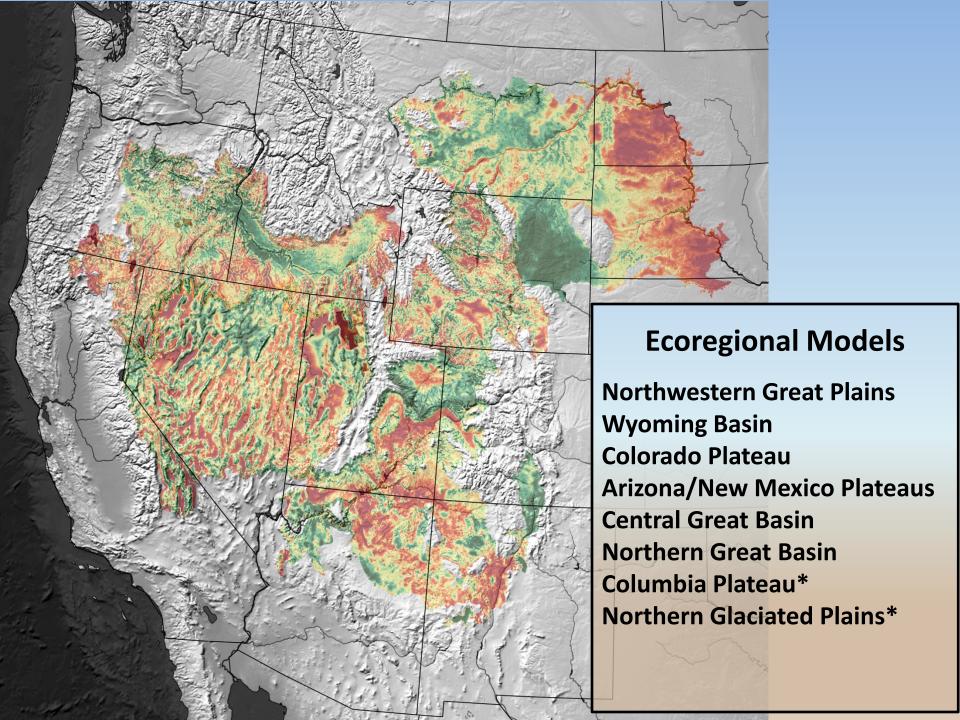
Brian Woodbridge, Coordinator
Western Golden Eagle Conservation Team
U.S. Fish and Wildlife Service, Yreka, CA

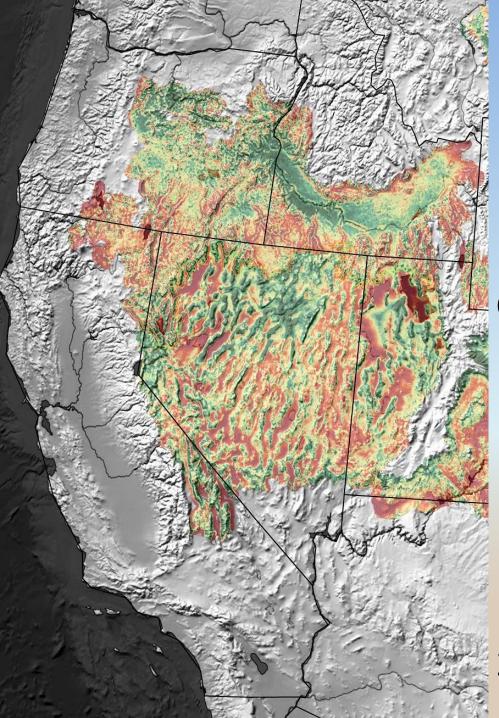
2015-2016 Update

- In FY 2016 WGET downsizing to 4 FWS staff plus coordinator
- Continued funding for projects with cooperators
- Cooperative Ecosystem Study Unit agreements with University of Nevada, Reno; Humboldt State U., Boise State U. and Colorado State U.
- 37 ongoing projects
- Over 20 presentations at 2015 RRF Conference

I. Predictive Models of Golden Eagle Breeding Habitat







Breeding Habitat Models California & Nevada

Northern Central Great/Snake River Plain Ecoregion

Central Great Basin Ecoregion

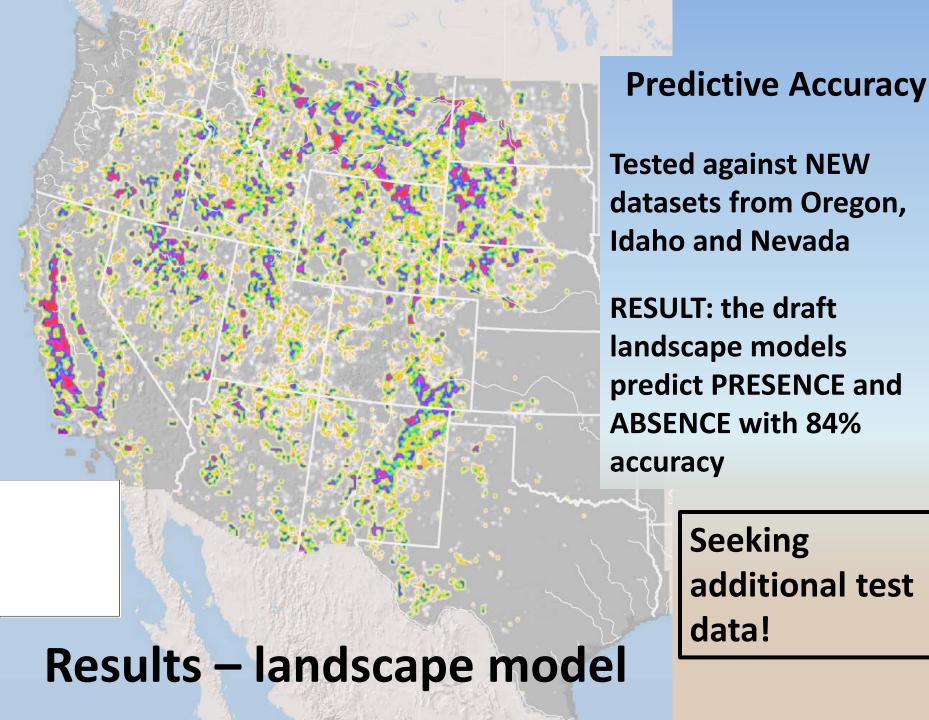
Draft models

Expert review workshops: Reno, Salt Lake City, Boise, Portland

Revised models - November 2015

II. Predictive Model of MID-WINTER Landscape Use by Golden Eagles







Sky de Eglet

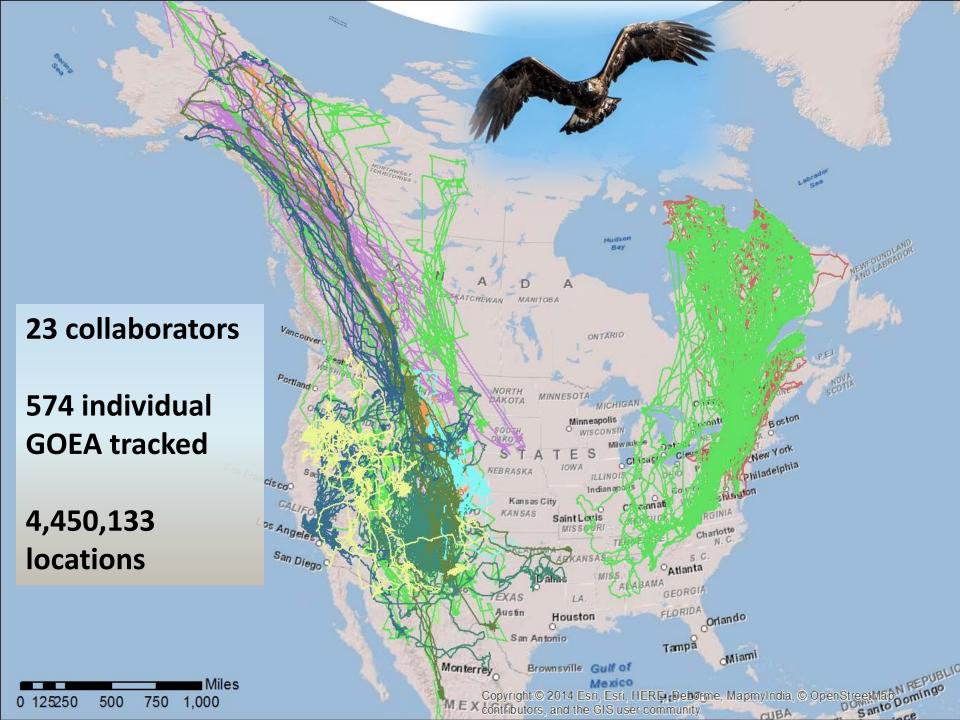
III. Predictive Models of Golden Eagle Movements and Migration

Objectives -

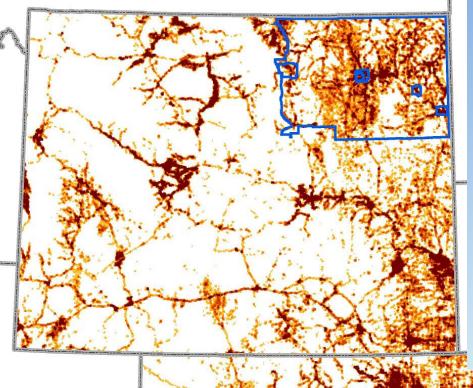
- Step 1: Describe and model patterns of movement *
- Step 2: Model factors influencing movement routes
- ☐ Compile and analyze telemetry data (ARGOS, GPS, CTT) from cooperators throughout North America
- ☐ Focus on landscapes and ecological conditions disproportionately used for movement and migration



Core Team:
Carol McIntyre
Jessica Brown
Todd Katzner
Jeff Smith
Robert Murphy
Jim Watson
Brian Woodbridge

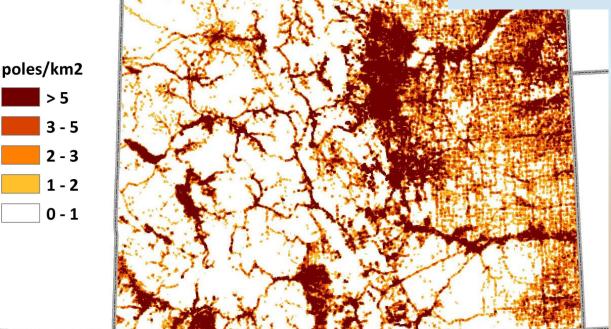






Predictive Model of Electrocution Hazard

- Model power pole density as surrogate for electrocution hazard
- Increased PPD correlated with increased complexity of equipment (= hazard)



CO/WY Model accurately predicts pole density

Partner:
James Dwyer et al.
EDM International

Evaluation of Model Performance

NW Wyoming

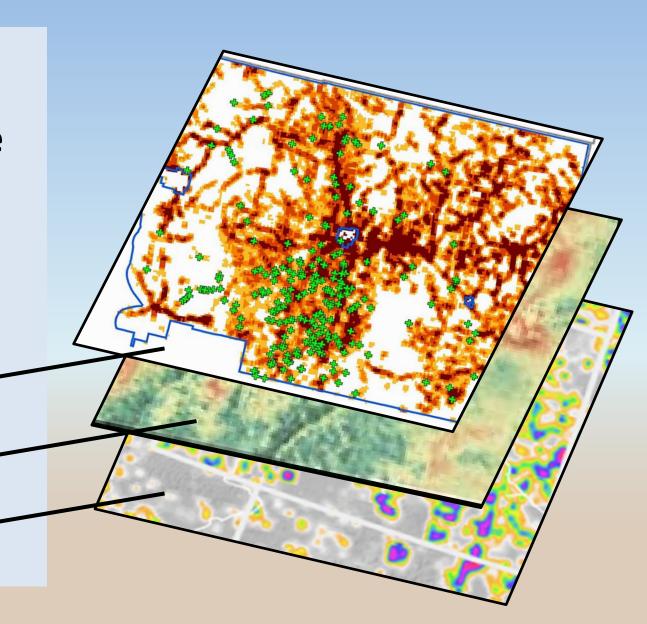
282 Golden Eagle electrocution mortalities +

Compared with:

Hazard model

Breeding model

Winter model





Questions?