The Influence of Greater Sage-Grouse Management on Golden Eagles in the Wyoming Basin

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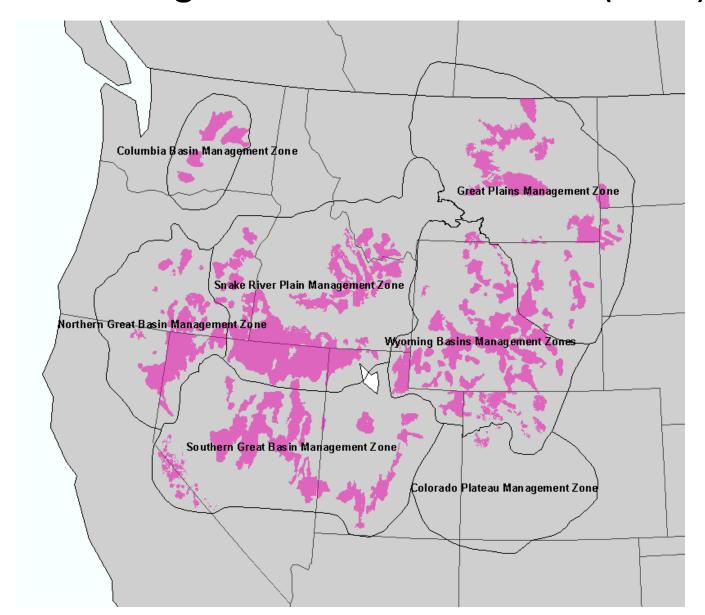






WY TWS Meeting, 15 November, 2016

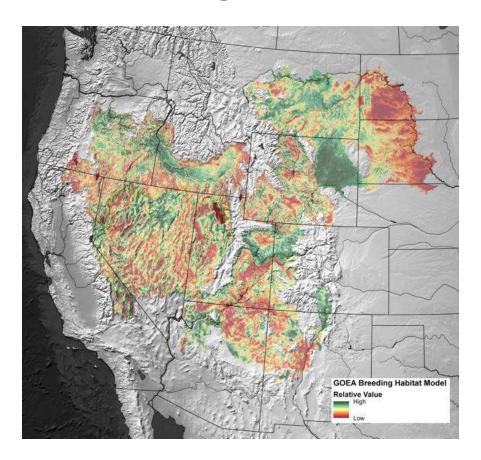
Management Zones (MZs) with Priority Areas for Greater Sage-Grouse Conservation (PACs)

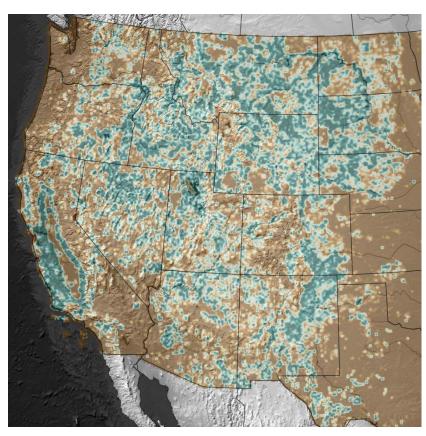


WGET Golden Eagle Relative Habitat Suitability (RHS) Models

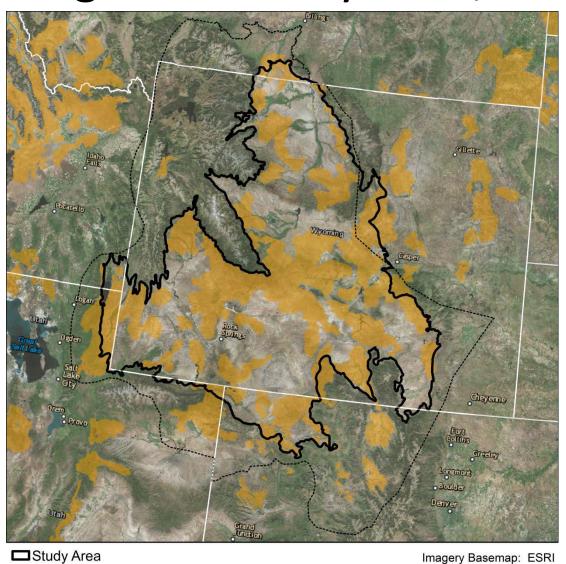
Breeding Habitat

Winter Habitat





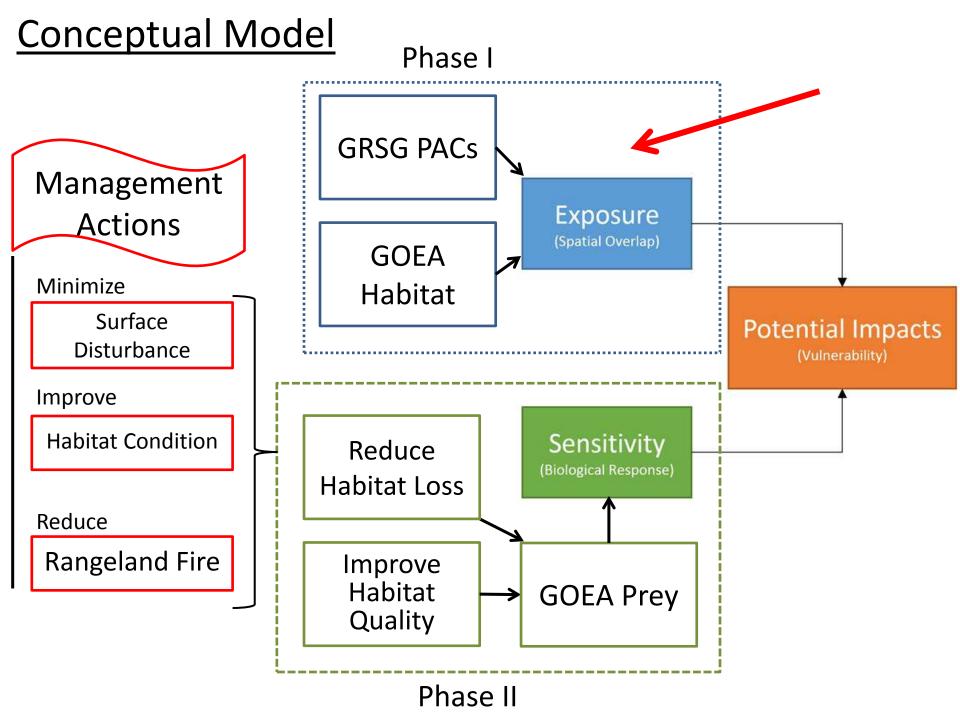
Wyoming Basin Study Area, with PACs

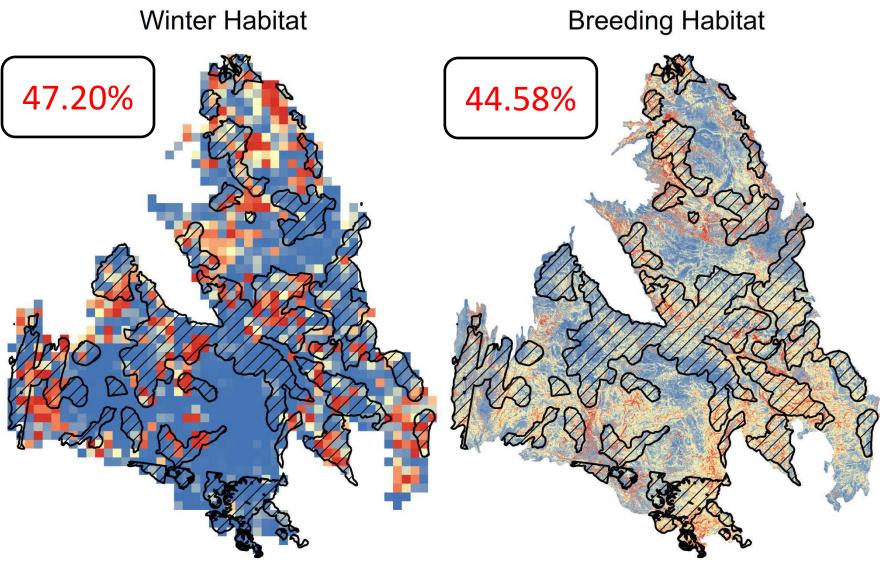


Study Area
Greater Sage-Grouse MZ II
Greater Sage-Grouse PACs

∆ 0 50 100 km

Projection: USA Contiguous Albers Equal Area Conic (USGS version)





Golden Eagle Relative Habitat Suitability

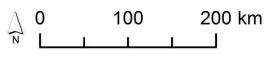
High: 100

Low: 0

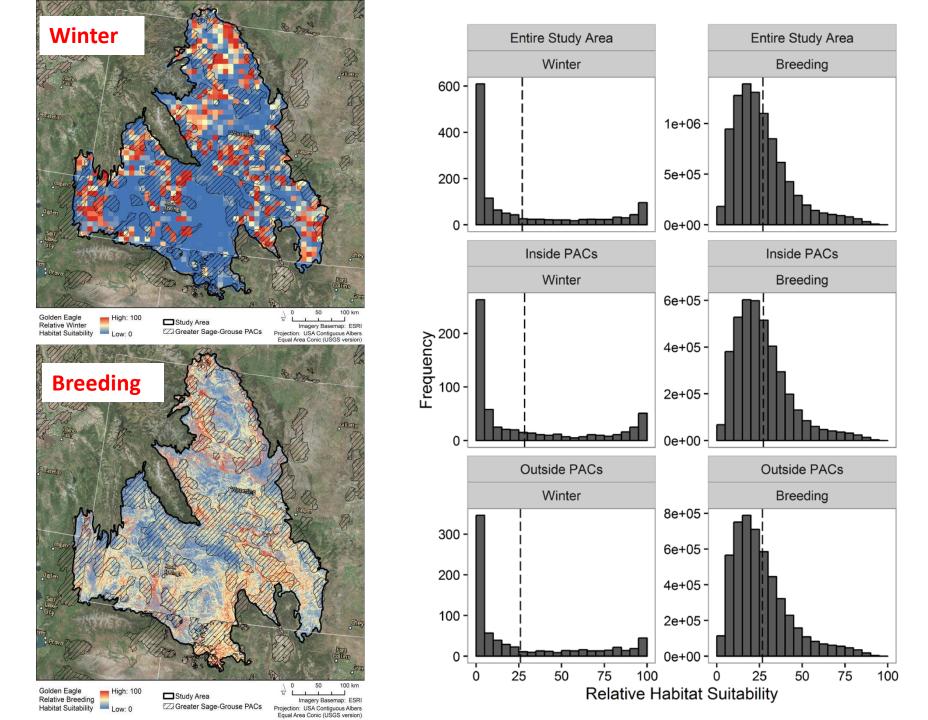
Greater Sage-Grouse PACs



44.08% (by area)



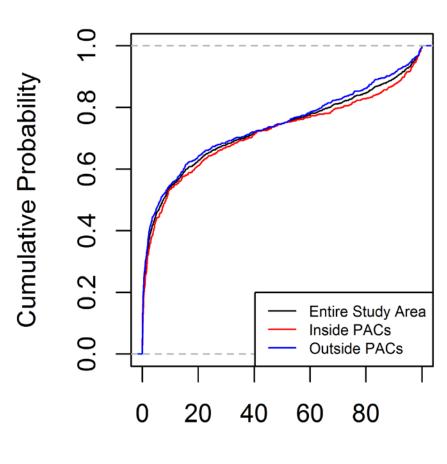
Projection: USA Contiguous Albers Equal Area Conic (USGS version)



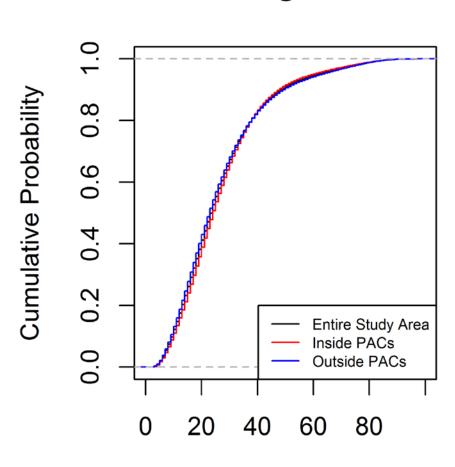
Comparing RHS Distributions

Winter Habitat

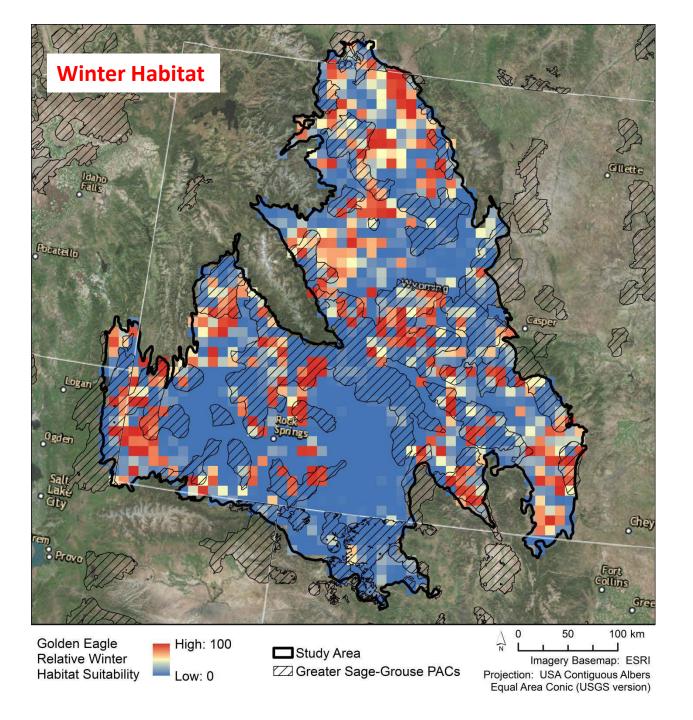
Breeding Habitat

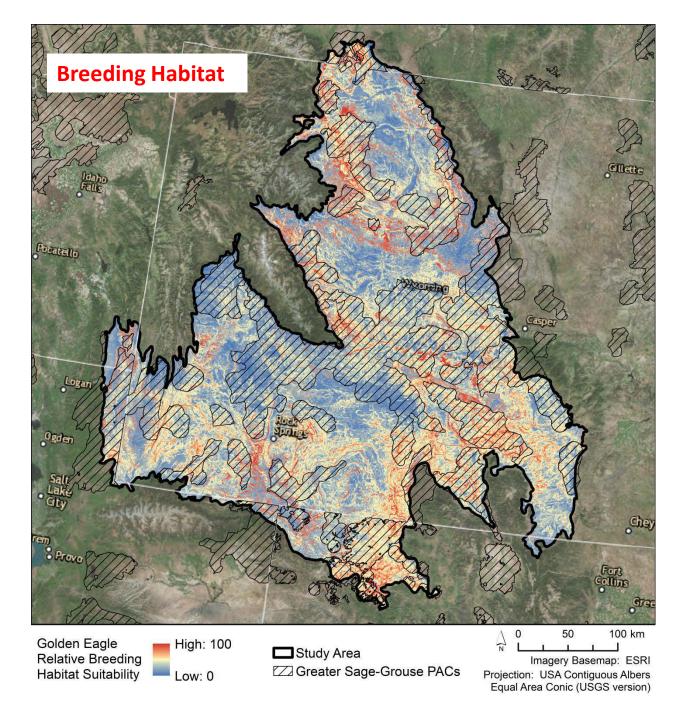


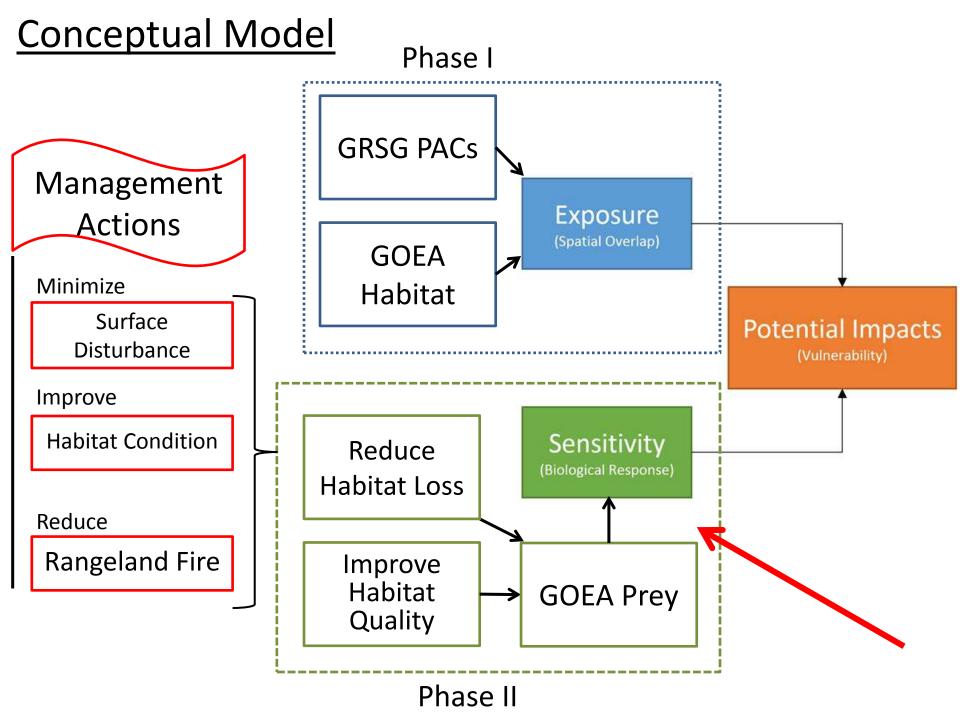




Relative Habitat Suitability







Next Steps:

Important Golden Eagle Prey Species

Leporids



Birds

Big Game Carrion



Photo Credit: Sky DeLight



Photo Credit: Sky DeLight



Photo Credit: Kent Keller



Photo Credit: Sky DeLight



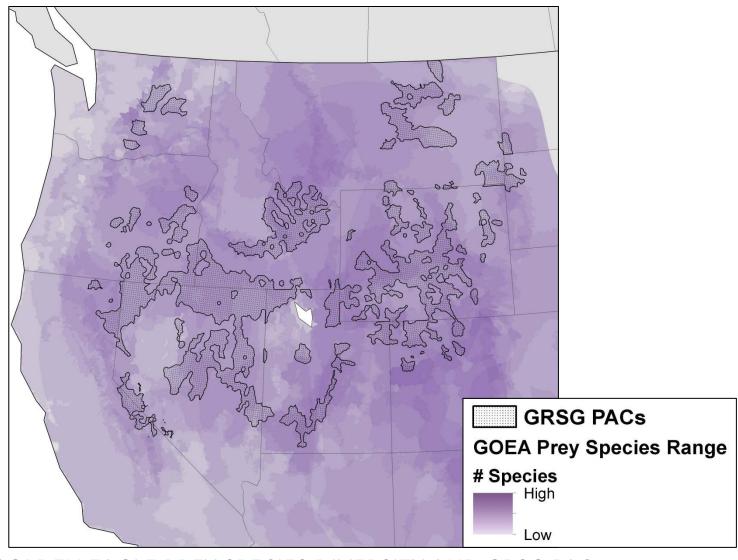
Photo Credit: Sky DeLight



Photo Credit: Todd Katzner

Powell et al. 2015

GRSG / GOEA Prey Overlap



GOLDEN EAGLE PREY SPECIES DIVERSITY AND GRSG PACs
Powell et al. 2015

Next Steps: Other Ecoregions

