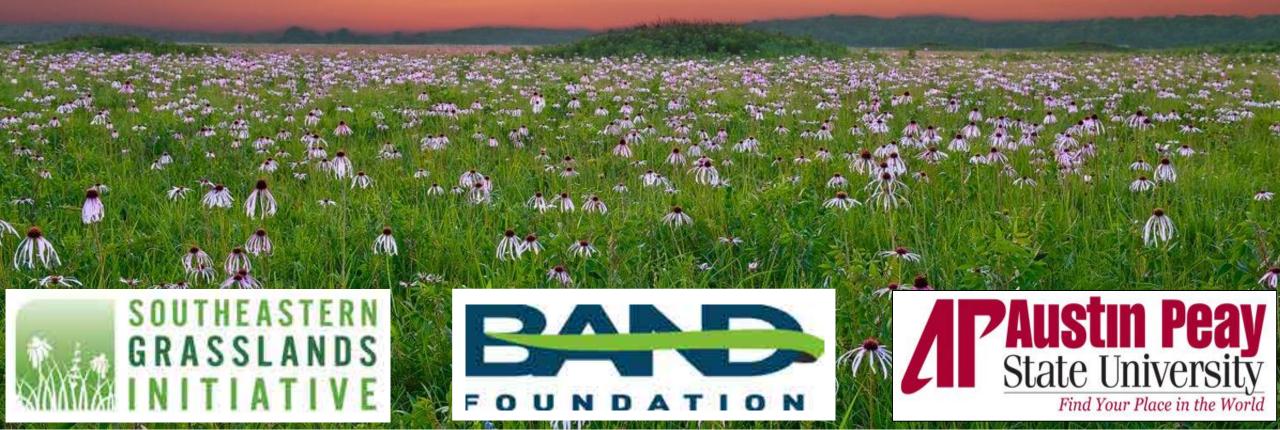
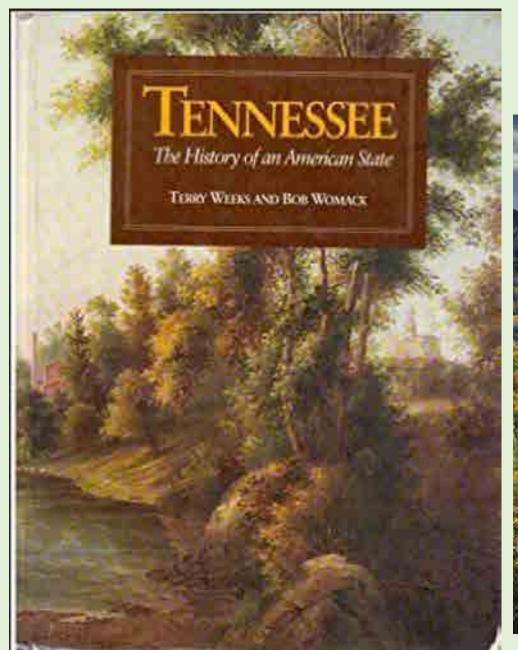
The Southeastern Grasslands Initiative: Charting A New Course for Conservation in the 21st Century

Dwayne Estes, Theo Witsell, Reed Noss, Alan Weakley

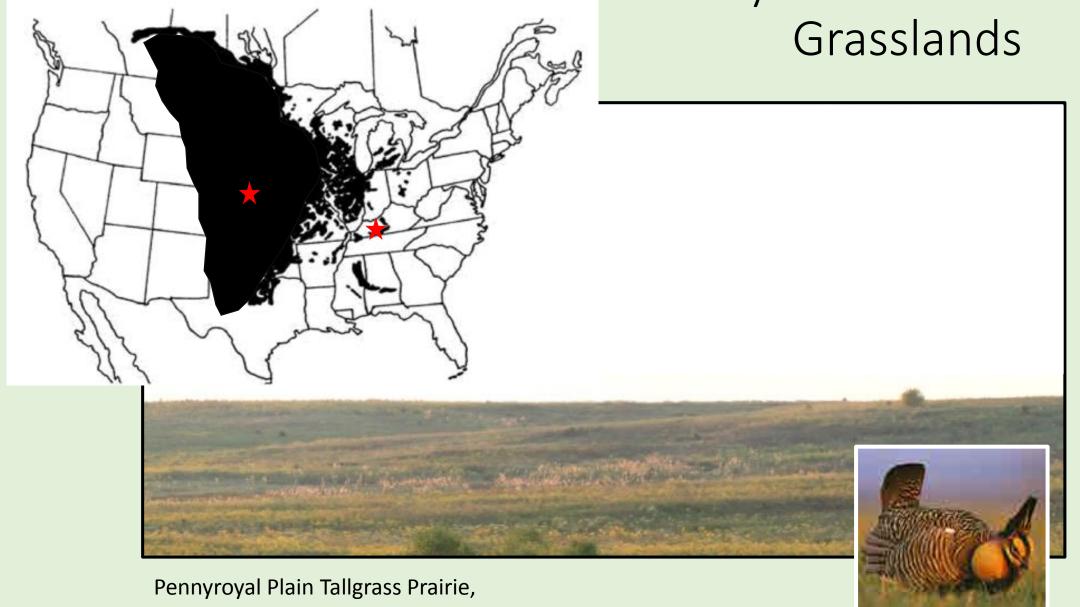




Tommy Johns & The Fabled Squirrel



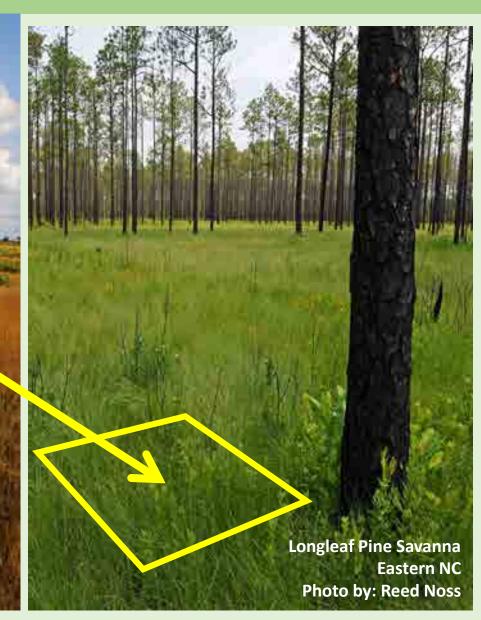
Tommy Never Talked About



Fort Campbell Army Base, Clarksville, TN

The Forgotten Grasslands of the South





Credit: Reed

52 species in 1 m²



DeSelm & Murdock (1993)

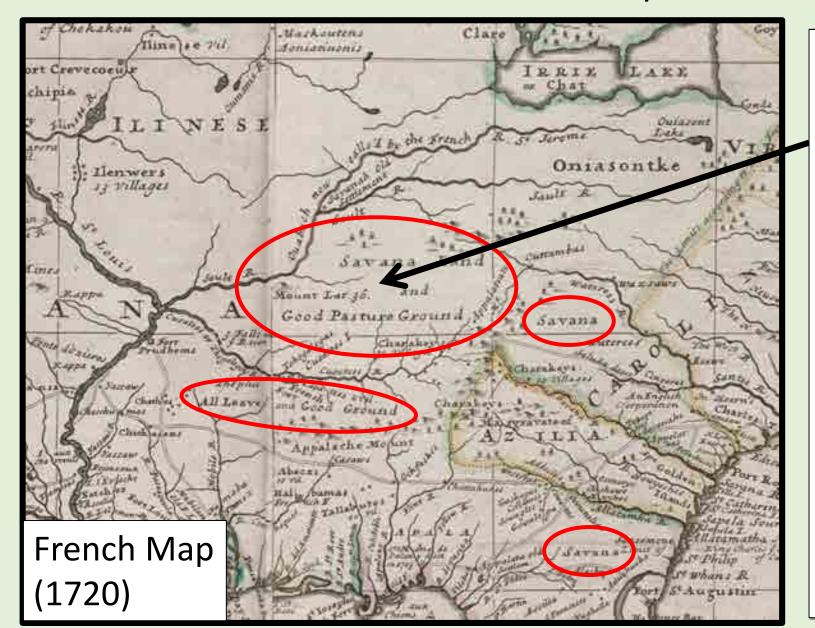


Estes et al. (in prep.)

->100 million acres, 90% lost

How do we know Southeastern grasslands were so extensive?

Historical Maps & Quotes



Louis-Phillippe (1797), In south-central Kentucky

"a high and dry plateau, where trees are sparse and grass and shrubs plentiful. One sees only small, stunted trees, most them oaks and hickories, and everywhere lush grass dotted with charming flowers."

Records of Grassland-Dependent Species



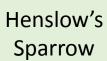




Sunflower









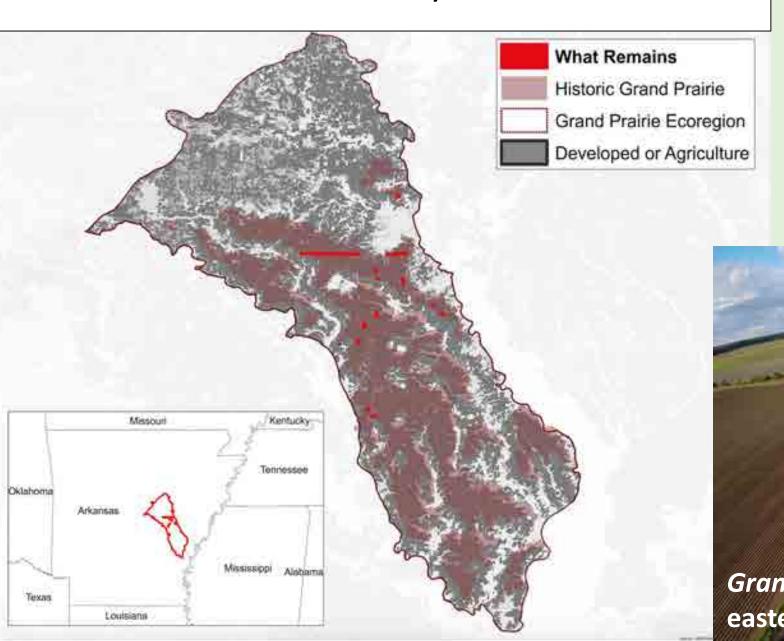








I. Functionally Extinct















History

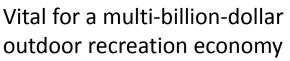
Economics

Services

Biodiversity







horticultural trade, landscape architecture, & seed sources

Grassfed-beef & Biofuels

ecological restoration



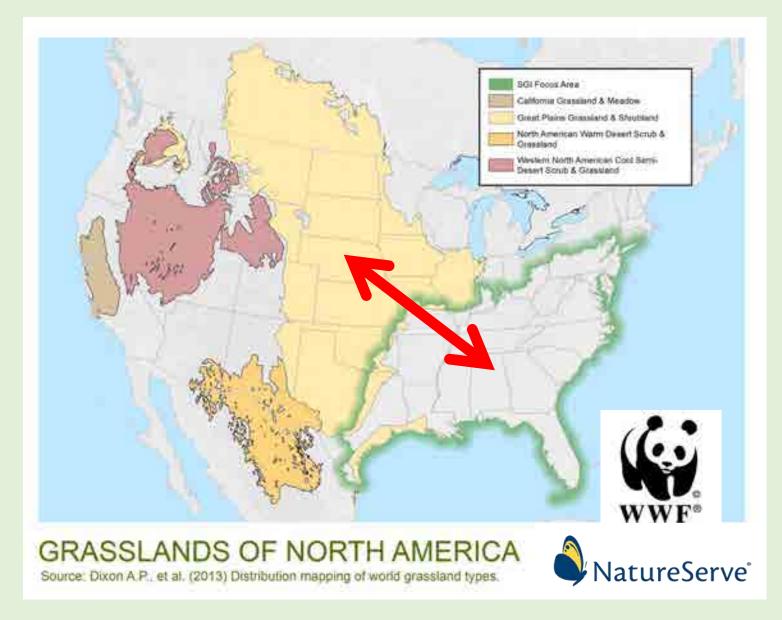
Water Quality & Flooding

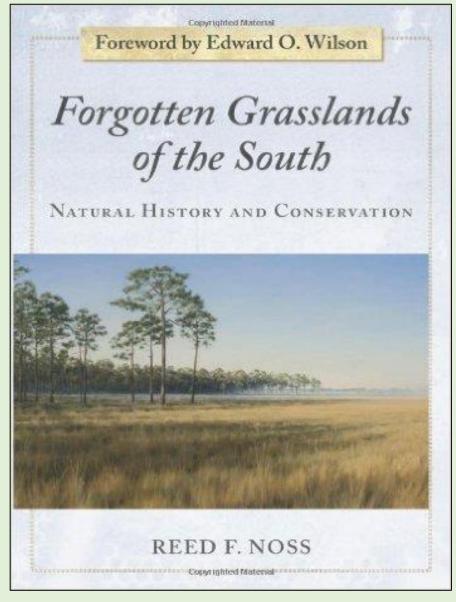
Carbon Sequestration

Pollination



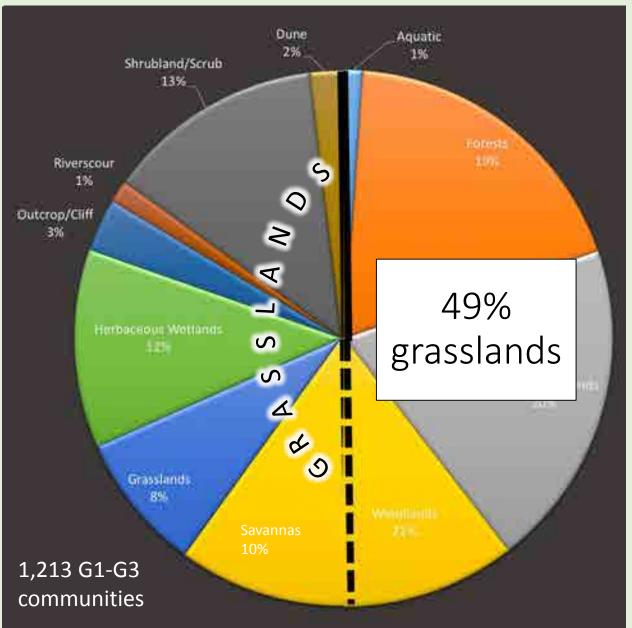
They Are America's Most Biodiverse Grasslands



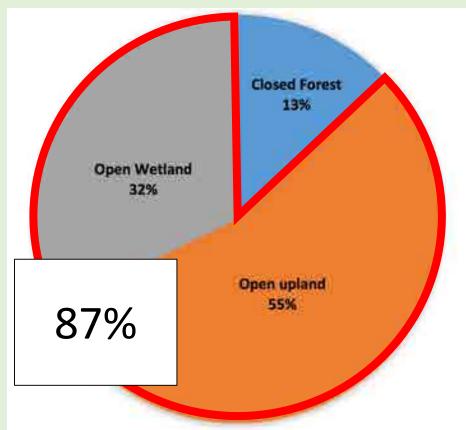


Can we afford to let our last remnants slip into oblivion?





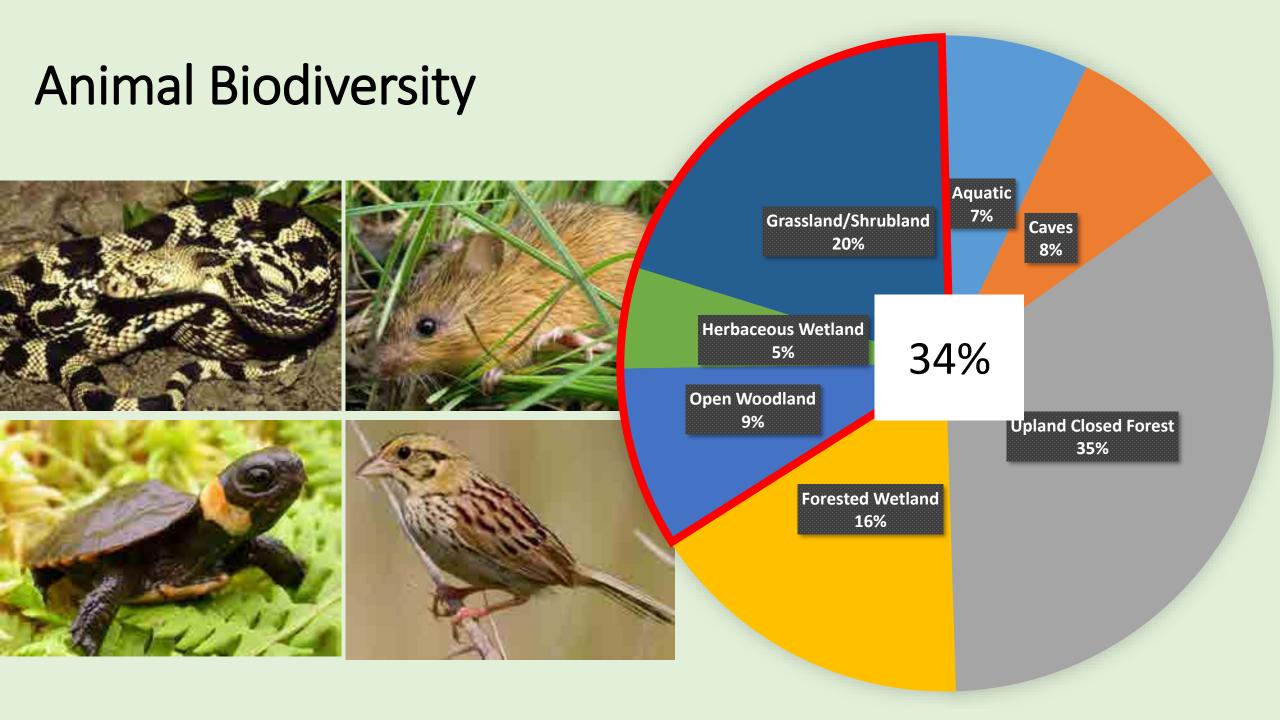
Plant Biodiversity





62 federal-listed species



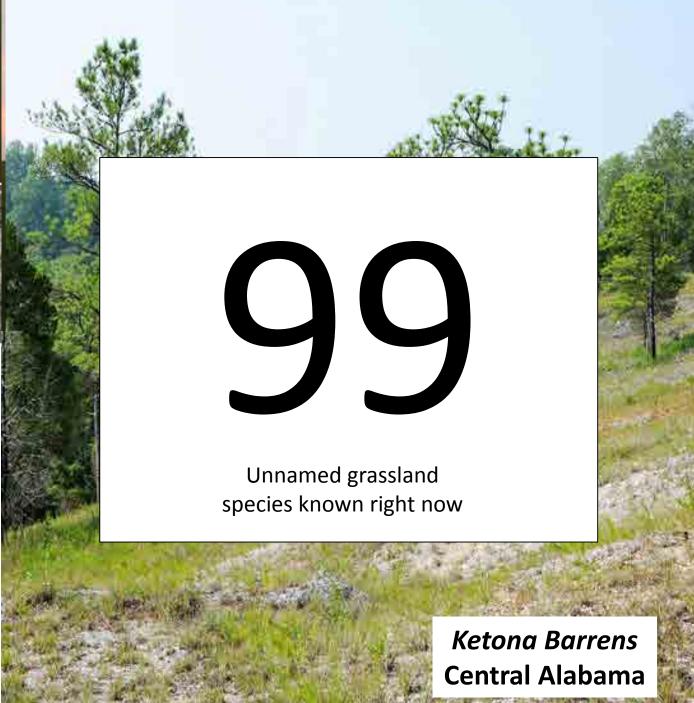




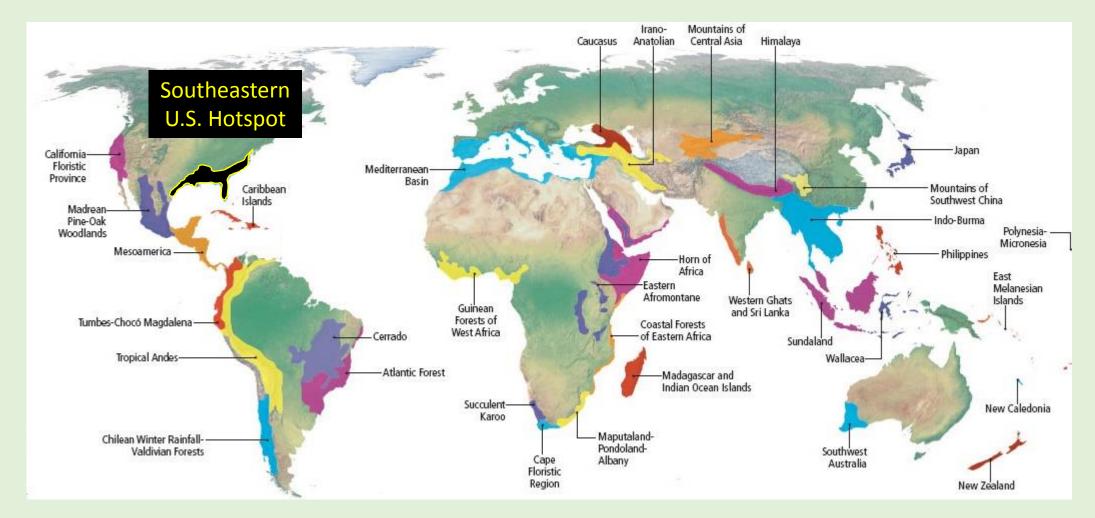
binange filera, previously unknown to relence, were discovered in the hidden Ketona Bulemite Slades, an area other referred to as a "betanical last world". Who do these most evicer rare plants grow only over this unique Cambrian rock?

02005 U-HAULBINT'L.

Lears more about secret species spans from special soil at.
www.uhaul.com



The World's Newest (36th) Global Biodiversity Hotspot







No Safety Net

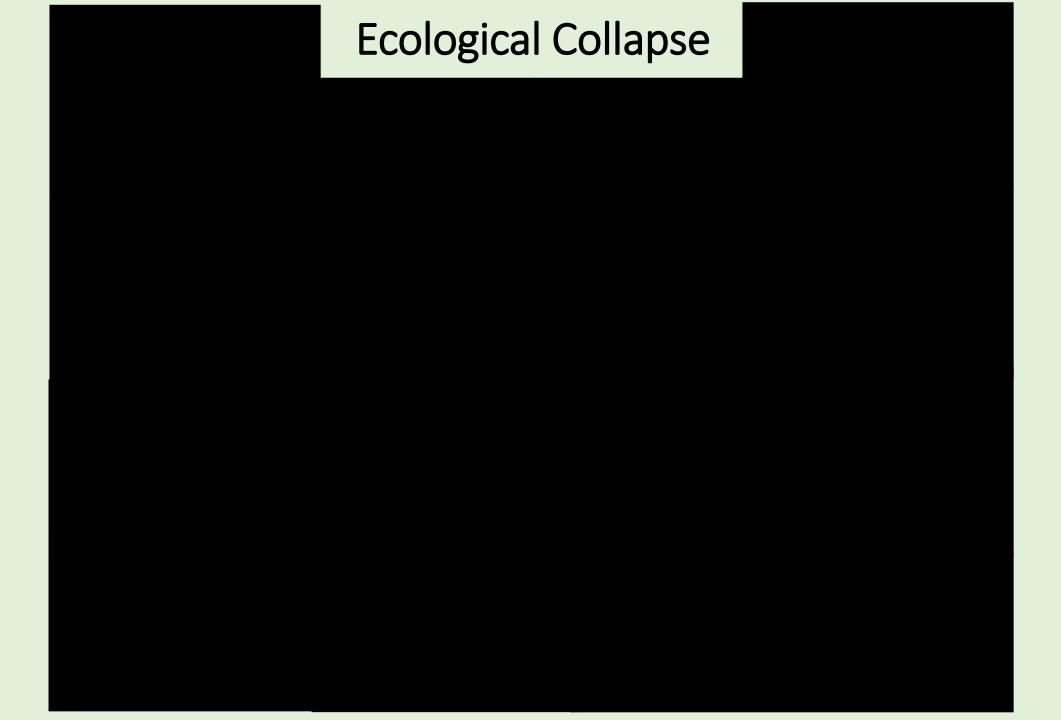


The Virgin Prairie in Prairie Co., Ark. 10,000 Acres for Sale by A. Boysen.

Landscape-Scale Conservation



Small-Scale Conservation

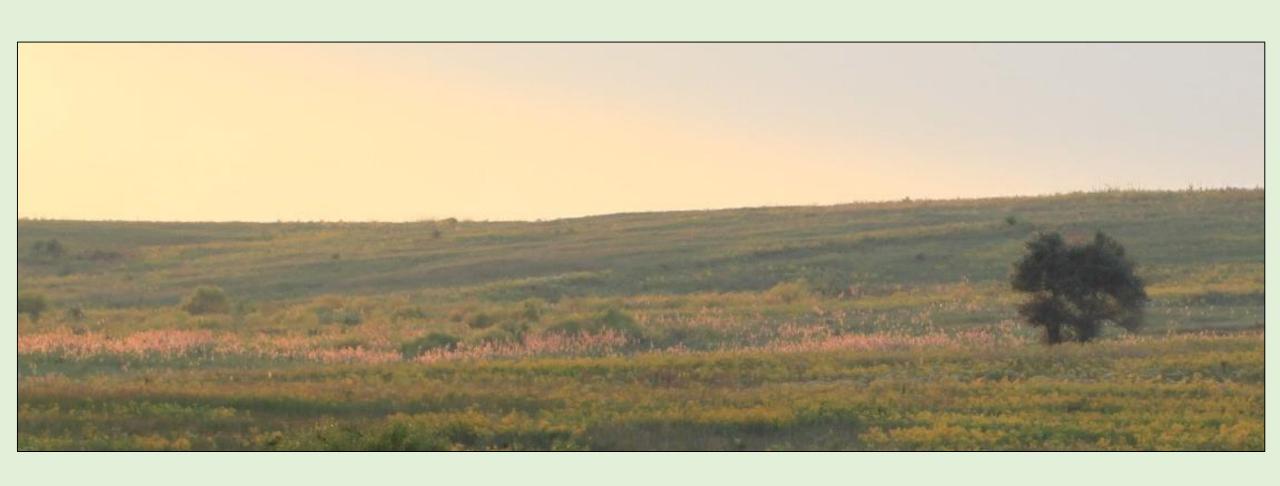


Renewed Interest in Grassland Conservation





Have we resigned ourselves to accept the loss of these once majestic landscapes that are so critically important to biodiversity, history, culture?



Can our grasslands survive into the 22nd century?



Until there is a coordinated effort to conserve, research, and rebuild them they will continue to slip into oblivion

The challenges facing Southeastern grasslands are complex

Major Knowledge Gaps

Extreme Rarity

Scarcity of Funding

Diminished Resources

Declining Expertise

- unparalleled long-term financial commitment from philanthropy, corporate sponsors, and grants
- support at local, regional, state, and national levels
- leadership and coordination
- investments in infrastructure and organization
- Multifaceted response

The Southeastern Grasslands Initiative

- a new national conservation program -







Our Programmatic Priorities

- Leadership
- Resource Center
- Education/Outreach
- Advocacy/Policy
- Granting Program

SOUTHEASTERN GRASSLANDS INITIATIVE



- Resource Center
- Education/Outreach
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- Granting Program



Dwayne Estes Ph.D. Executive Director & Co-Founder



Alan Weakley Ph.D.
Chair, Science Advisory Board



Theo Witsell
Director of Research
& Co-Founder



Reed Noss Ph.D.
Chief Science Advisor



K. Gregg Elliott

Dir. of Communications



J.J. White Administrative Assistant

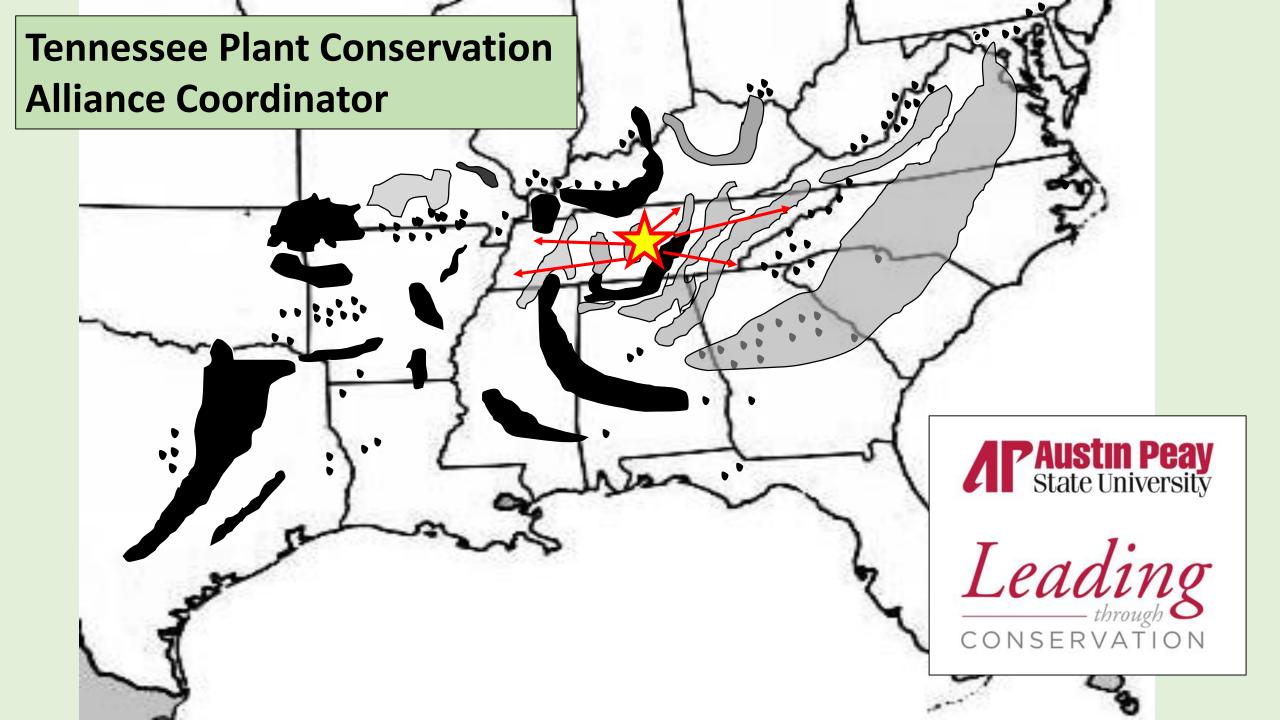
On-the-ground Coordination



Citizens for Conservation Chicago, Illinois







SGI Objectives



- Leadership
- Resource Center
- Education/Outreach
- Advocacy/Policy
- Granting Program





- Leadership
- Resource Center
- Education/Outreach
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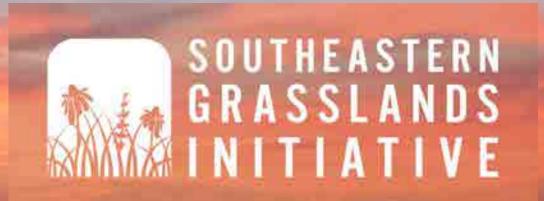
SGI Objectives



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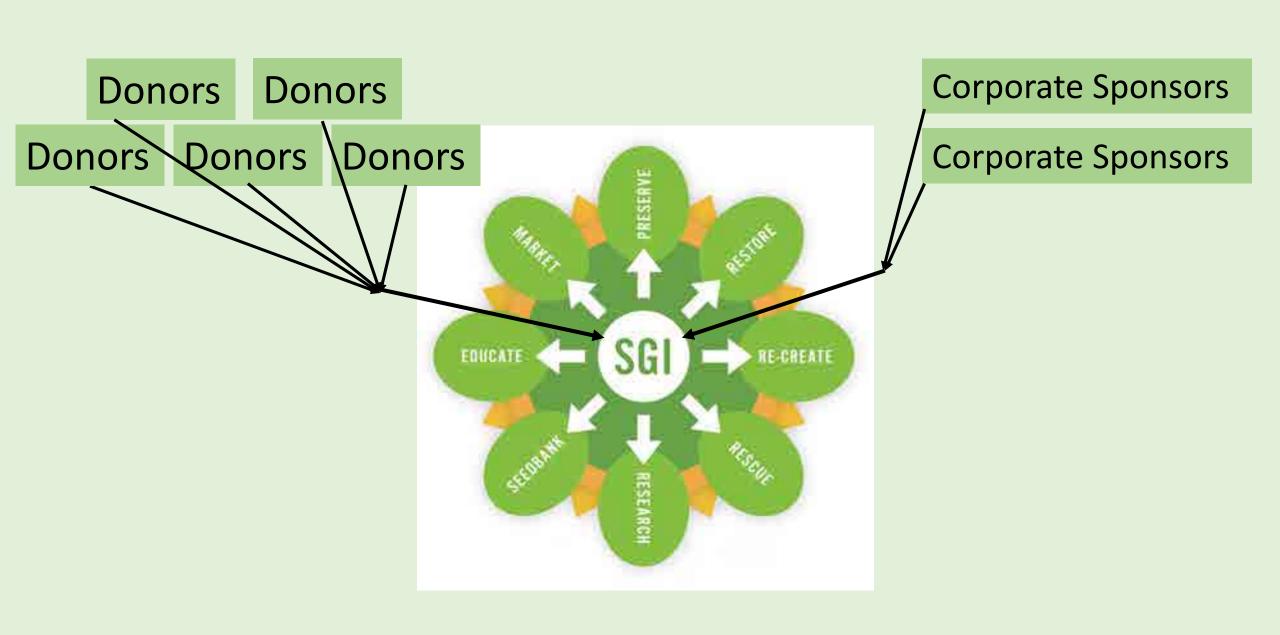
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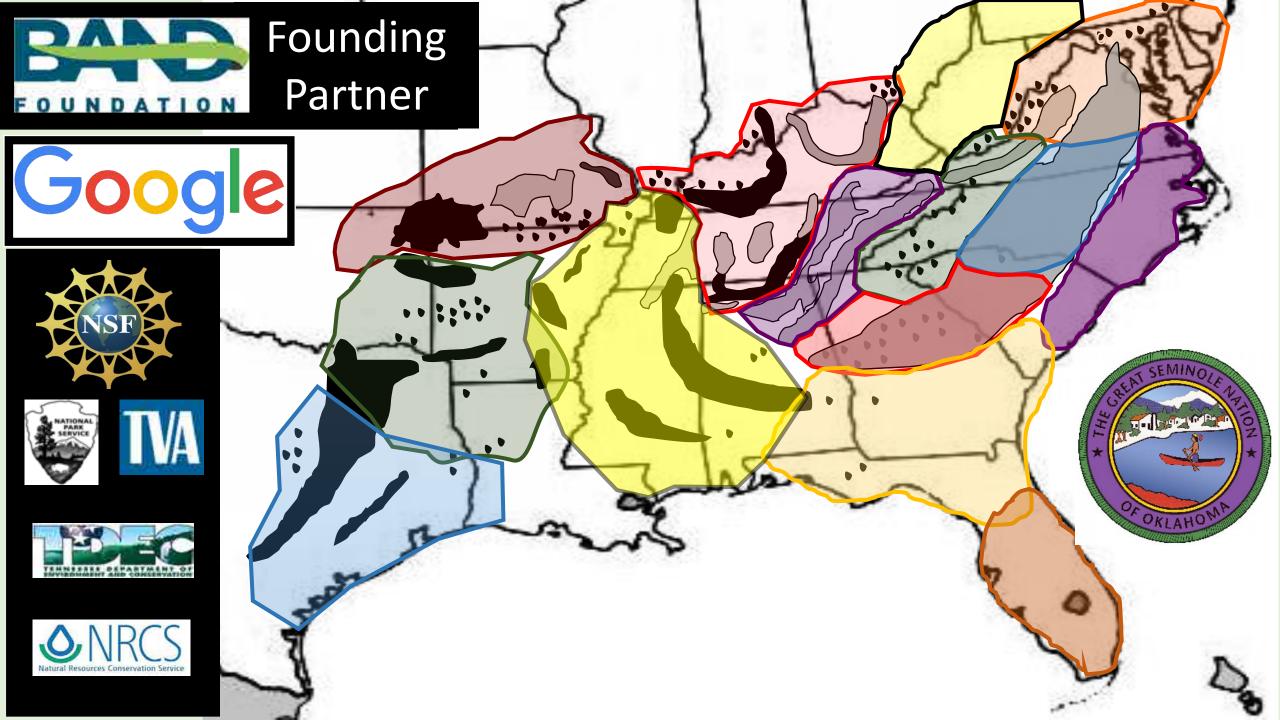


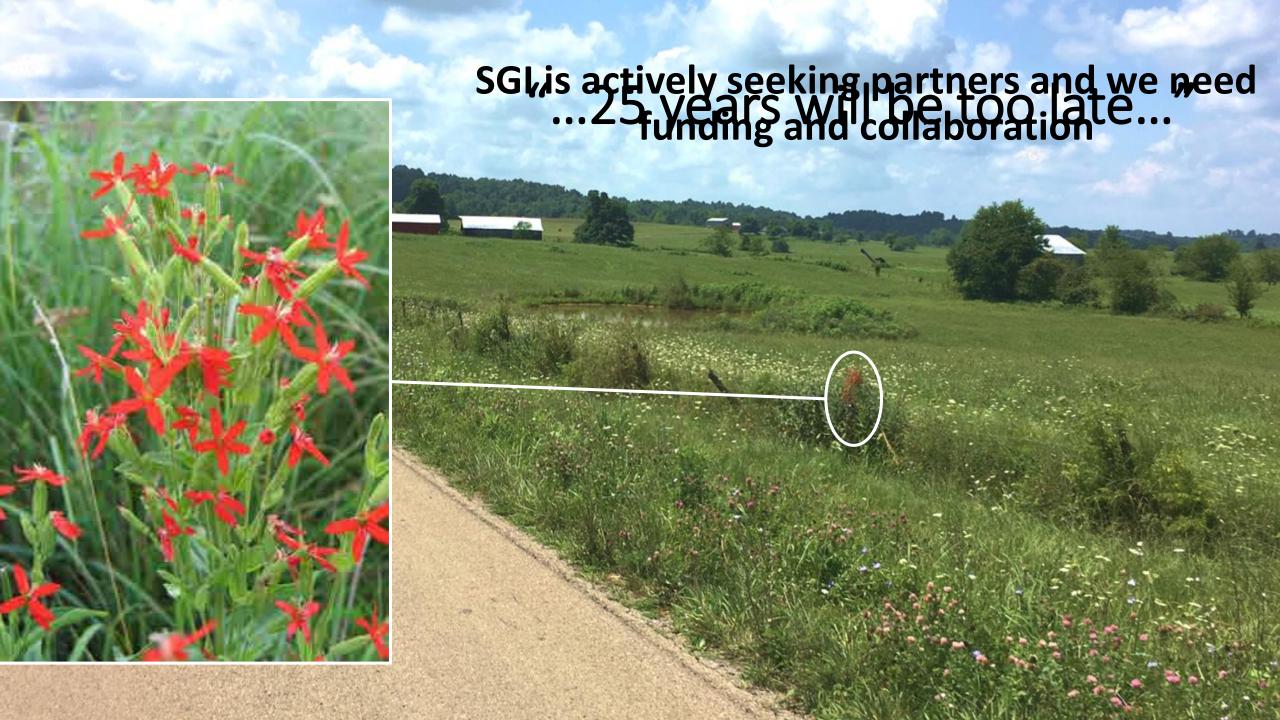
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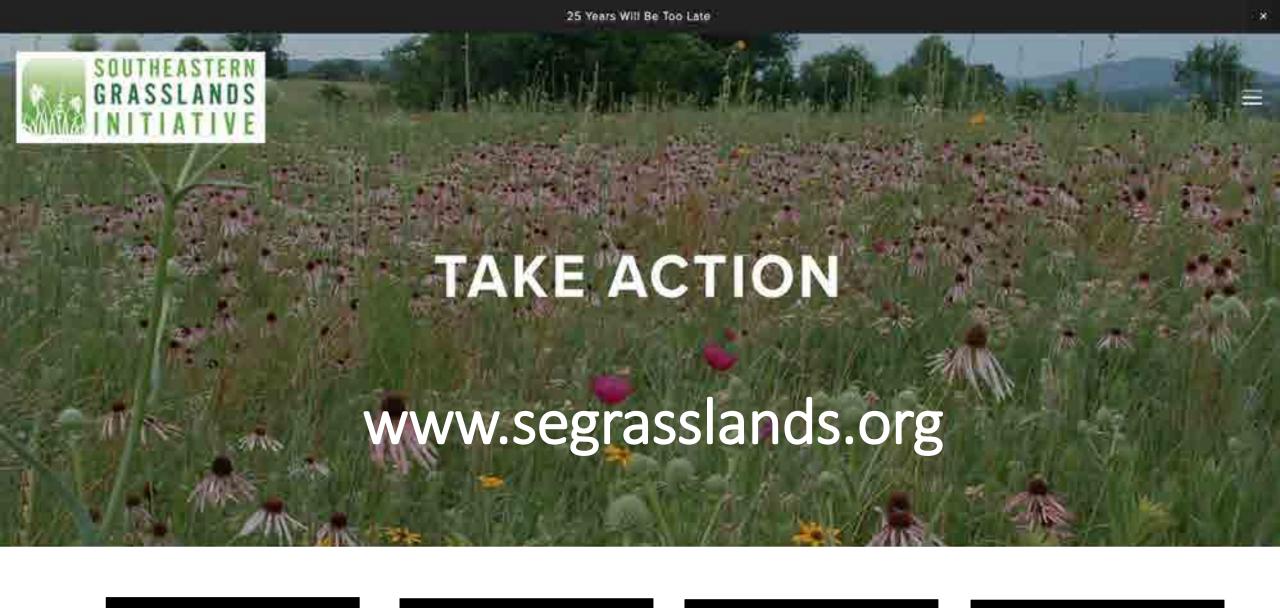
GRANTING PROGRAM











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Acknowledgments









