

The Southeastern Grasslands Initiative: Protecting, Restoring, and Rebuilding the Forgotten Grasslands of the South













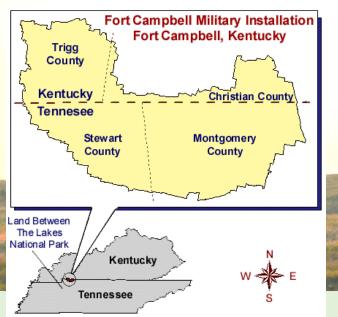


The Fabled Squirrel









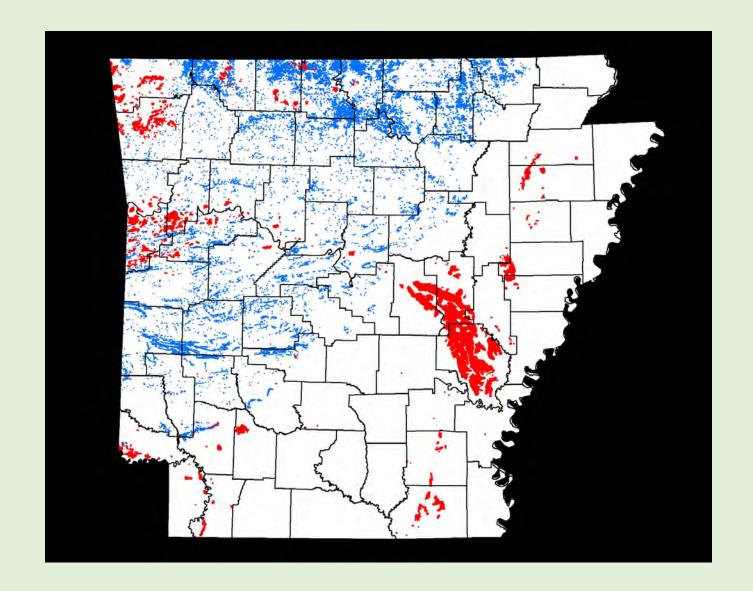


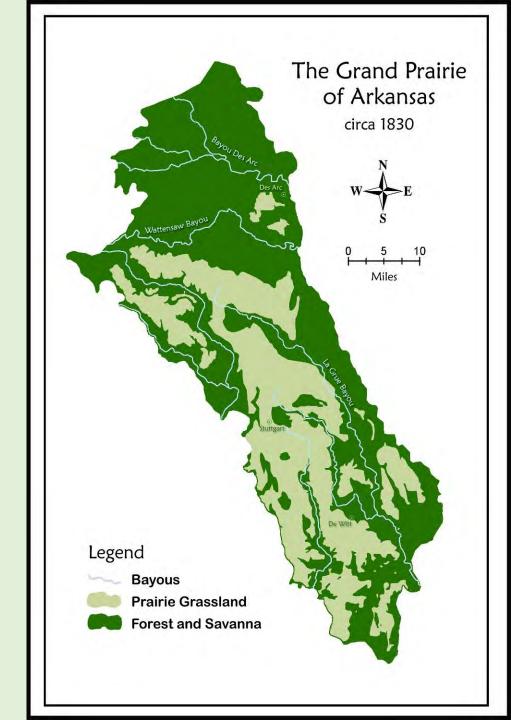


"It would be difficult to imagine anything more beautiful. Far as the eye could reach, they seemed one vast deep-green meadow, adorned with countless numbers of bright flowers springing up in all directions ... only a few clumps of trees and now and then a solitary post oak were to be seen...Here I first saw the prairie bird, or barren-hen.... Here the wild strawberries grew in such profusion as to stain the horses hoofs a deep red color." (Ross 1812)



Lost Landscapes





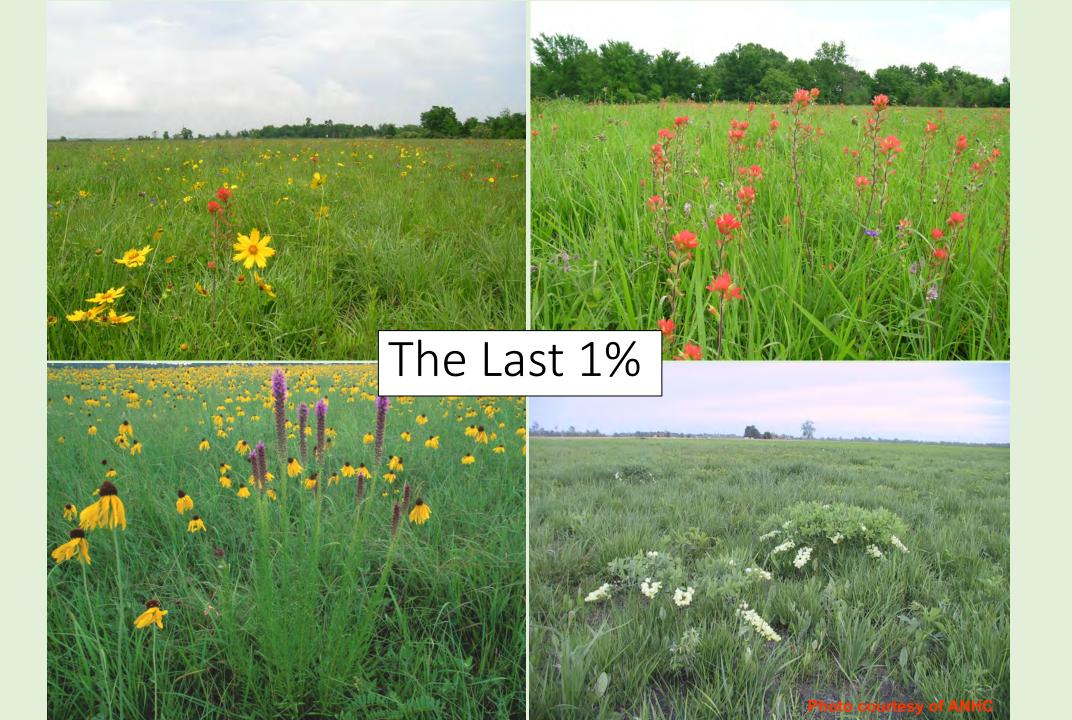


The Virgin Prairie in Prairie Co., Ark. 10,000 Acres for Sale by A. Boysen.







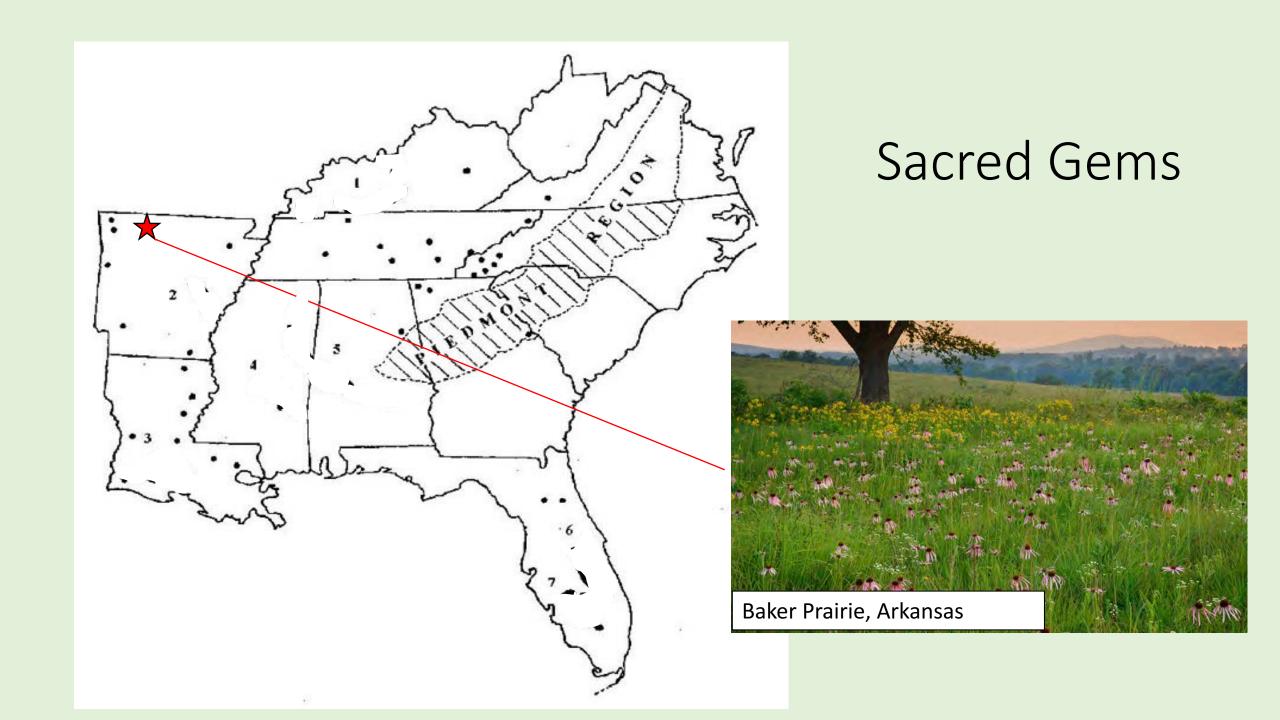


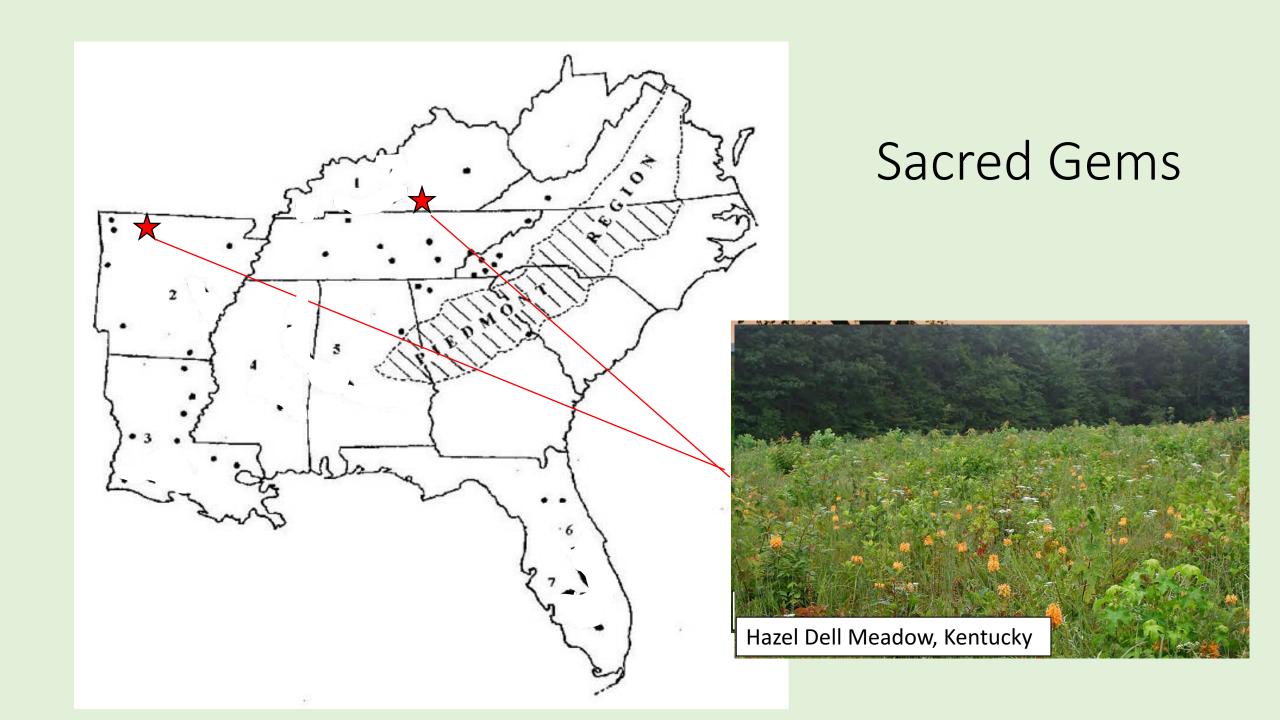


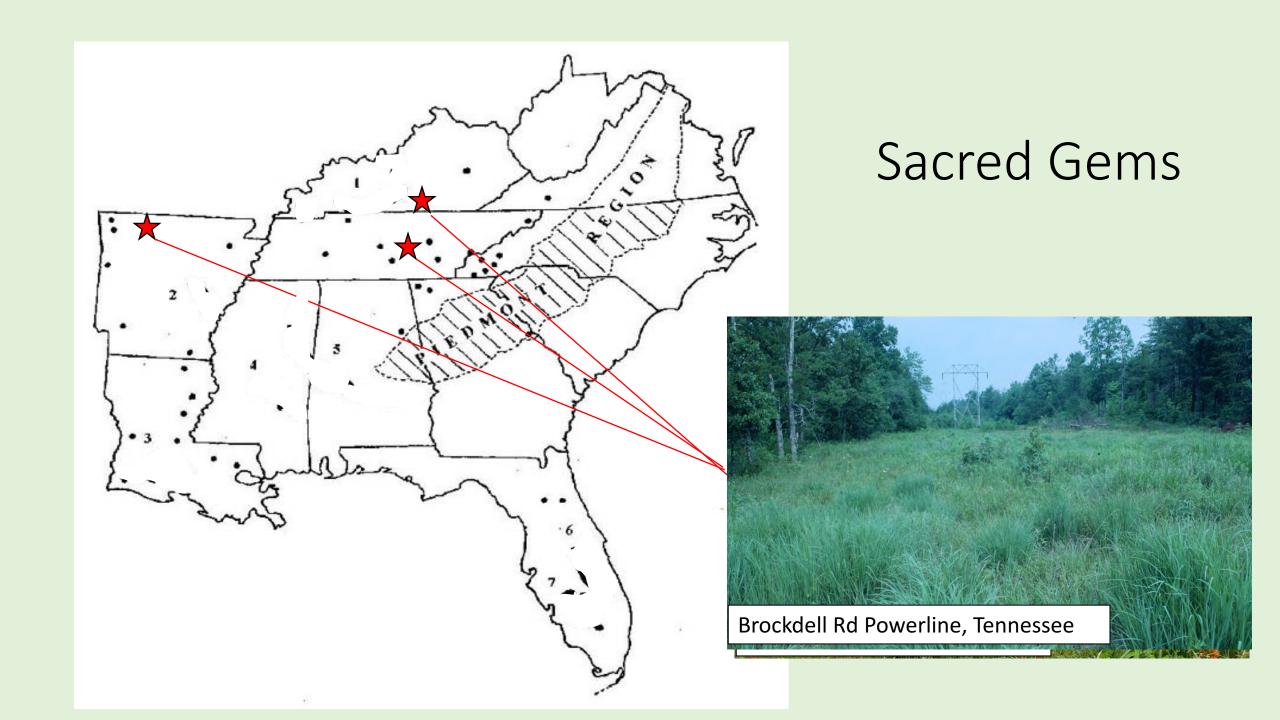
Sacred Gems

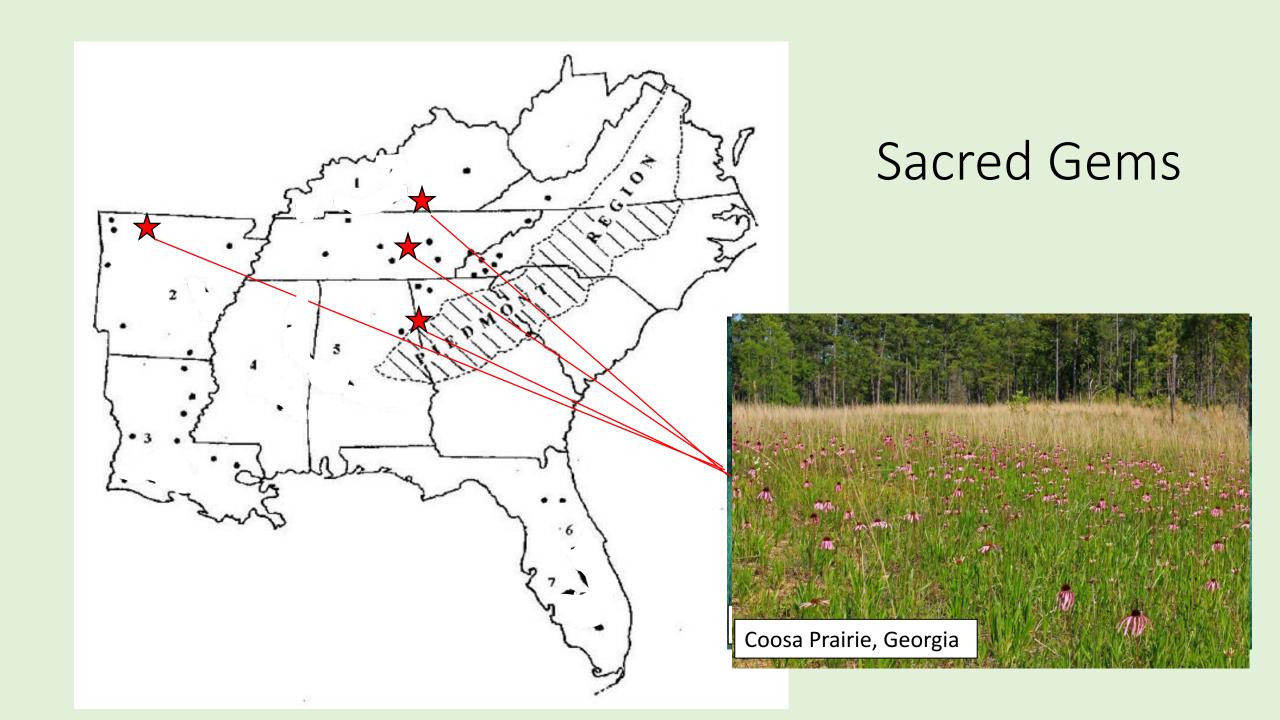


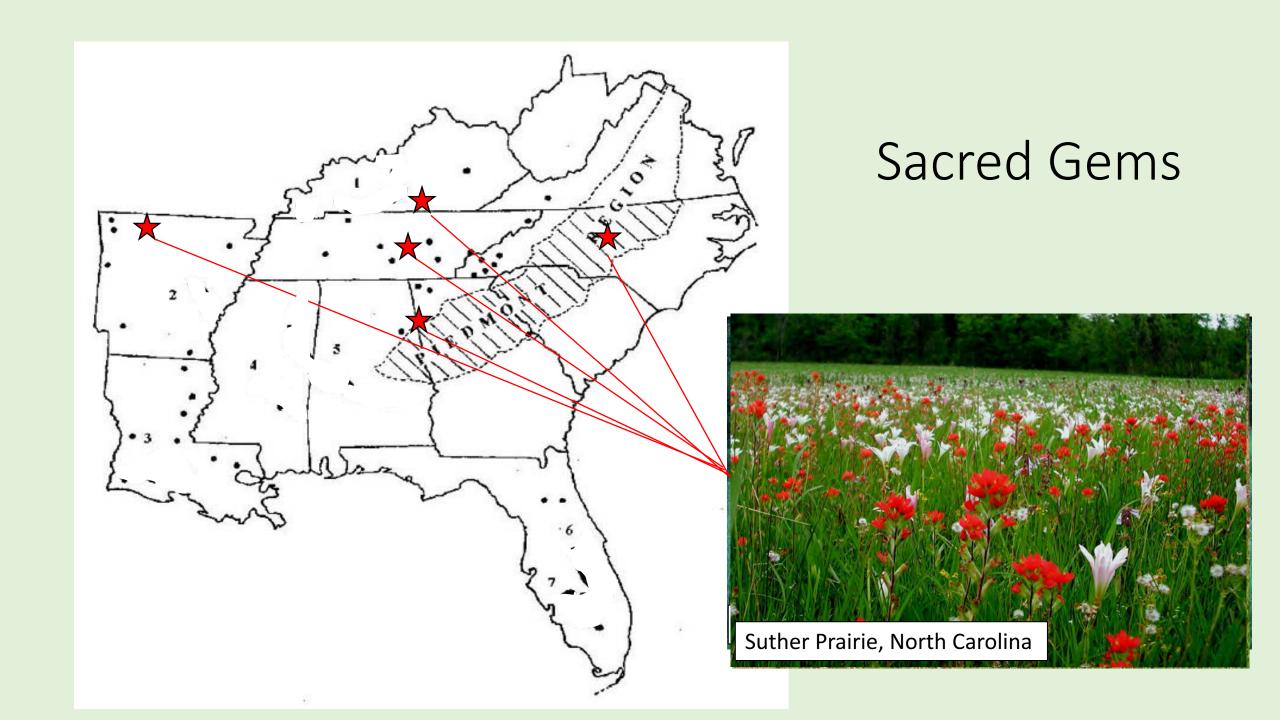
Sacred Gems

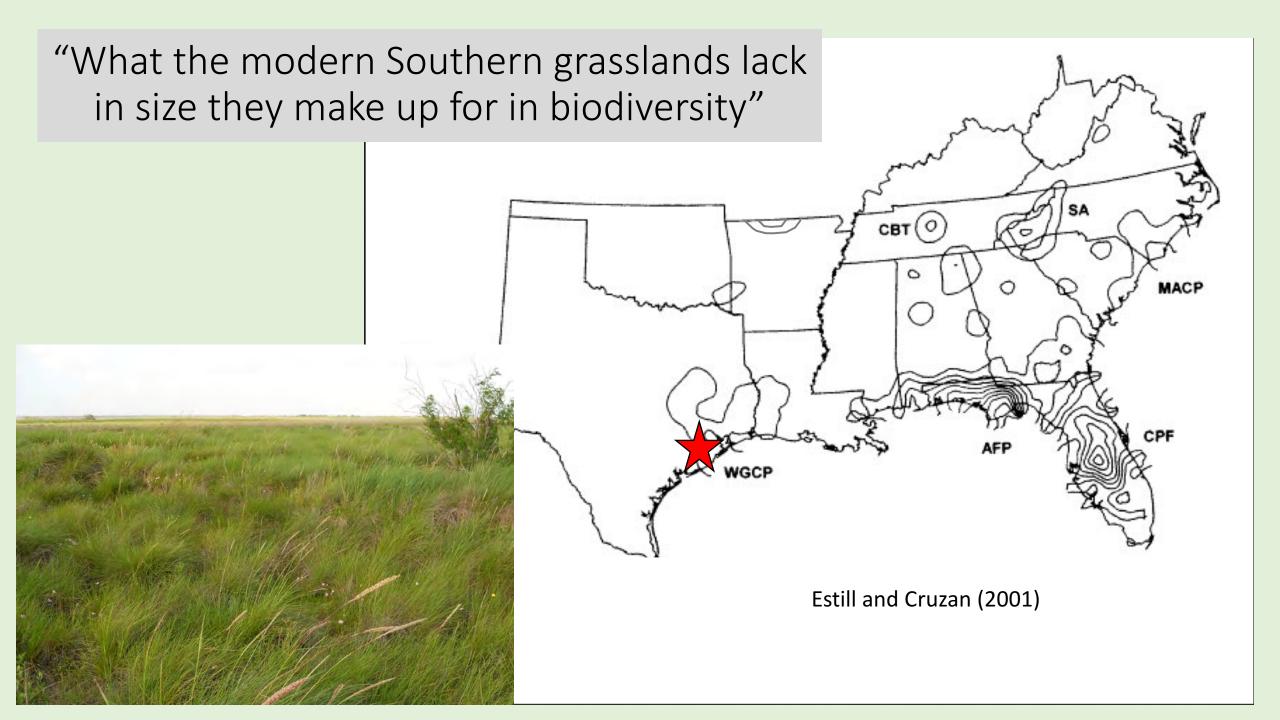


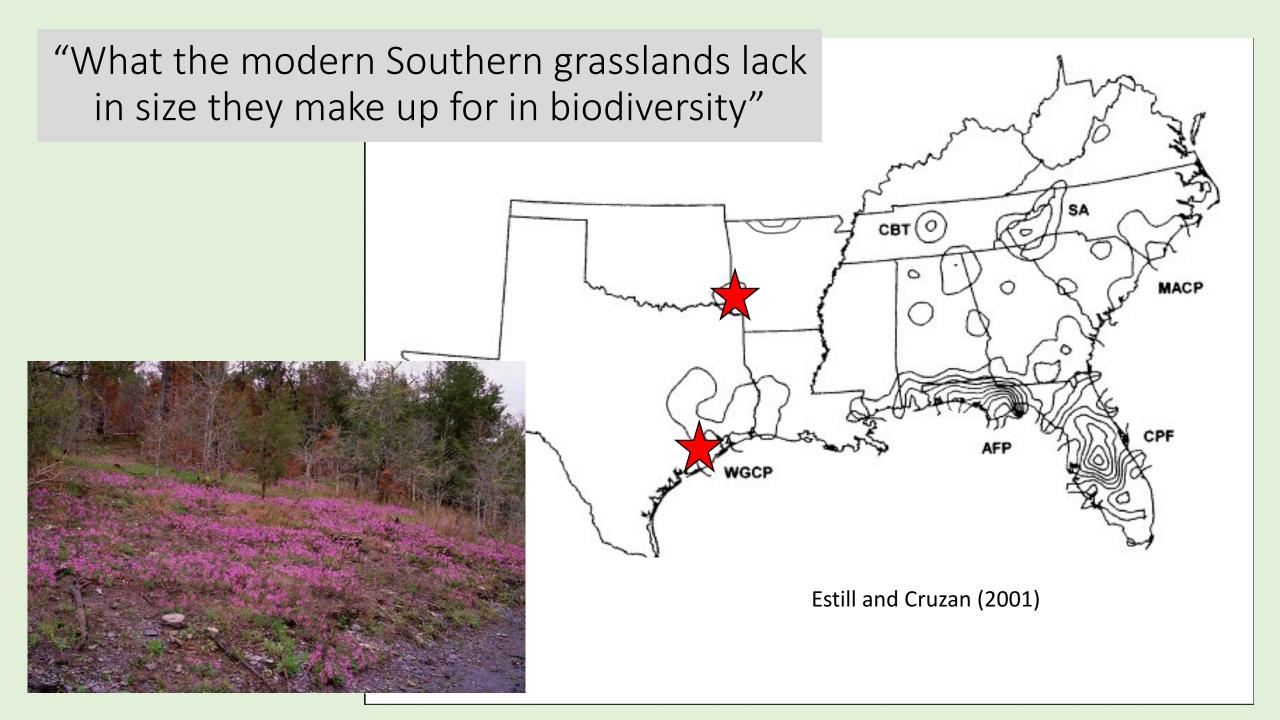


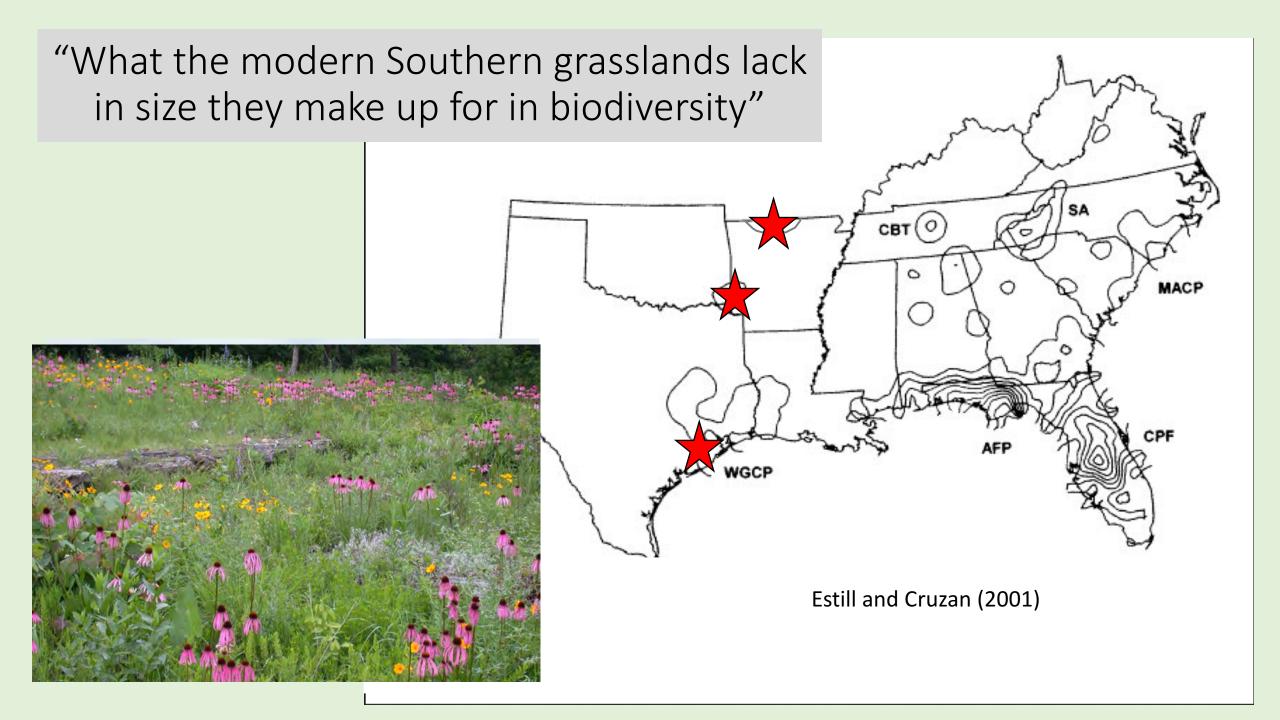


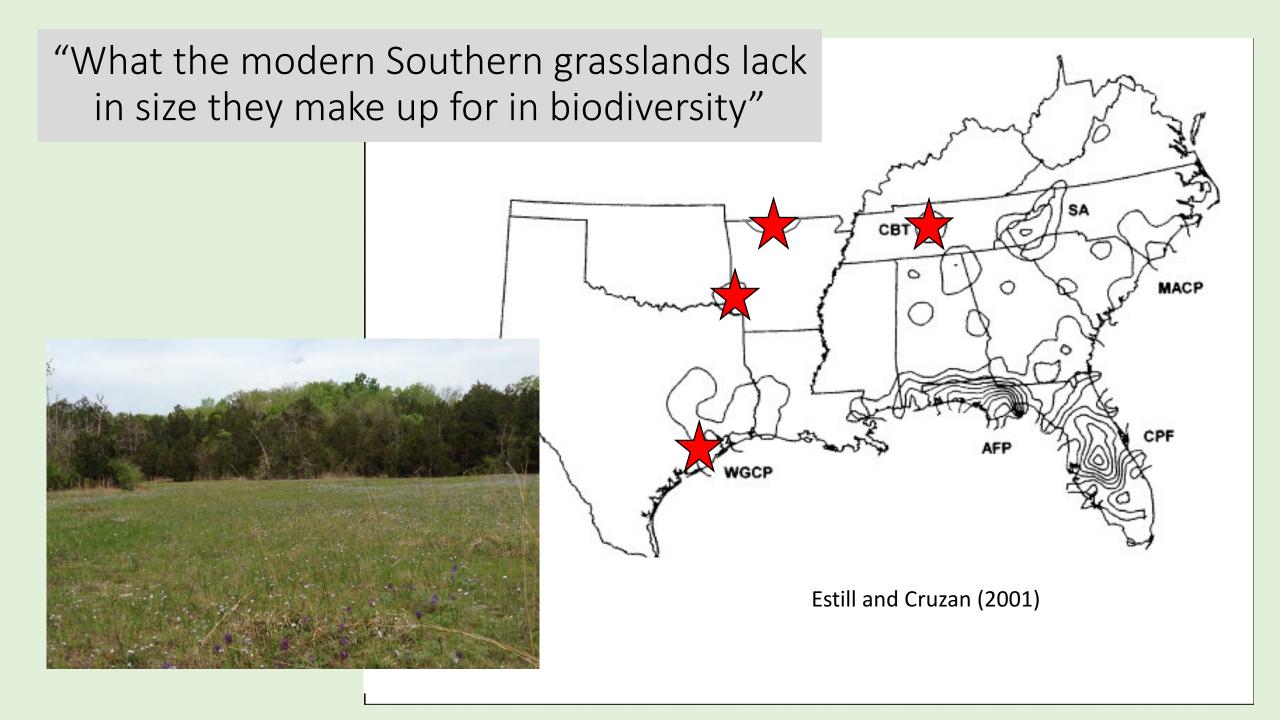


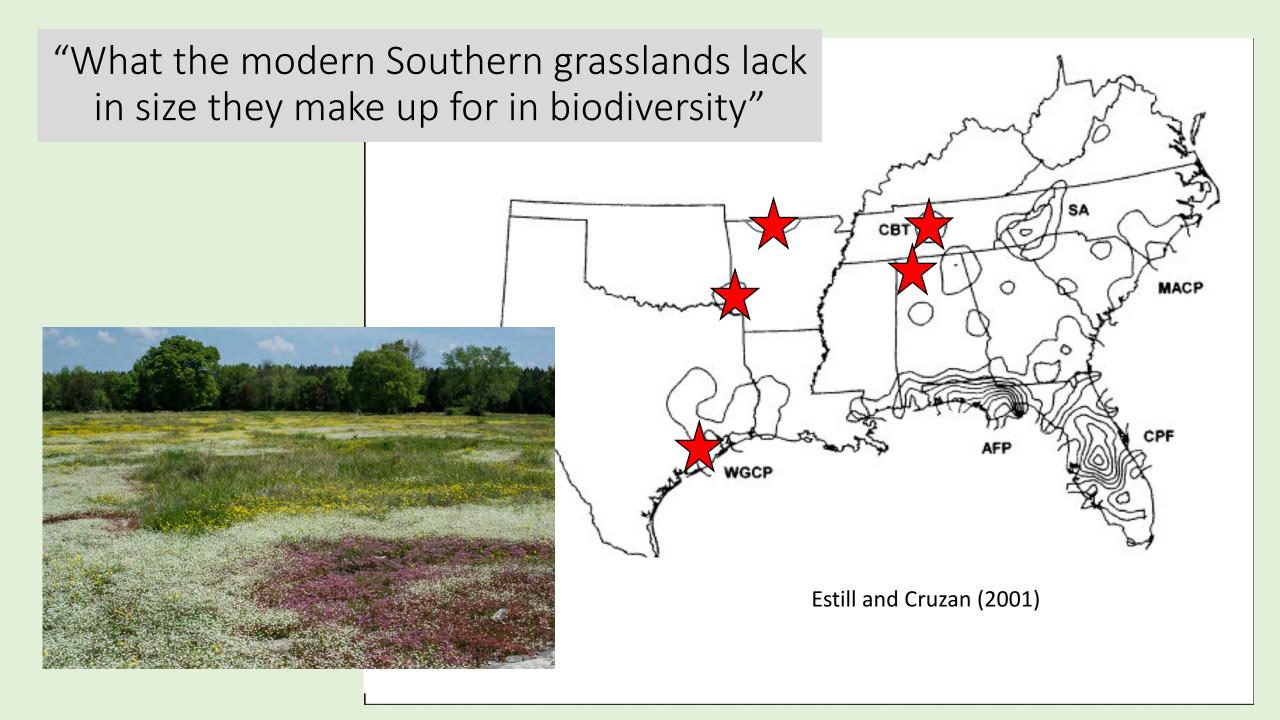


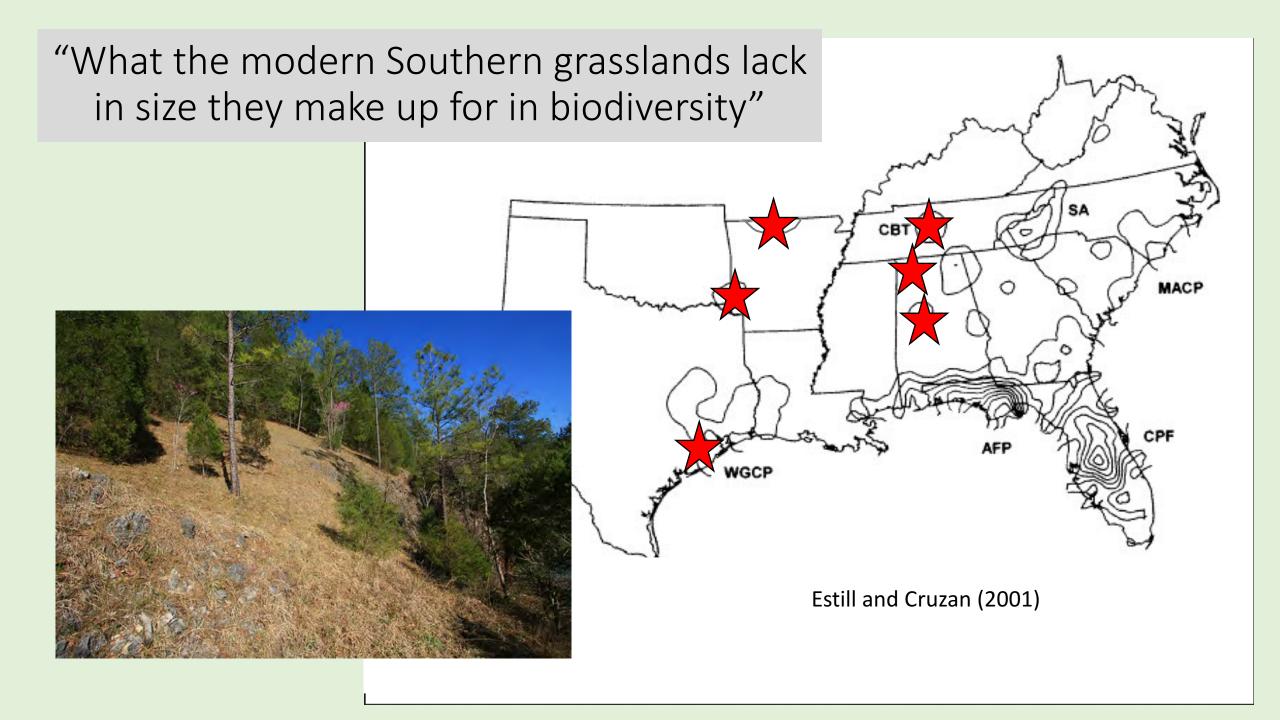


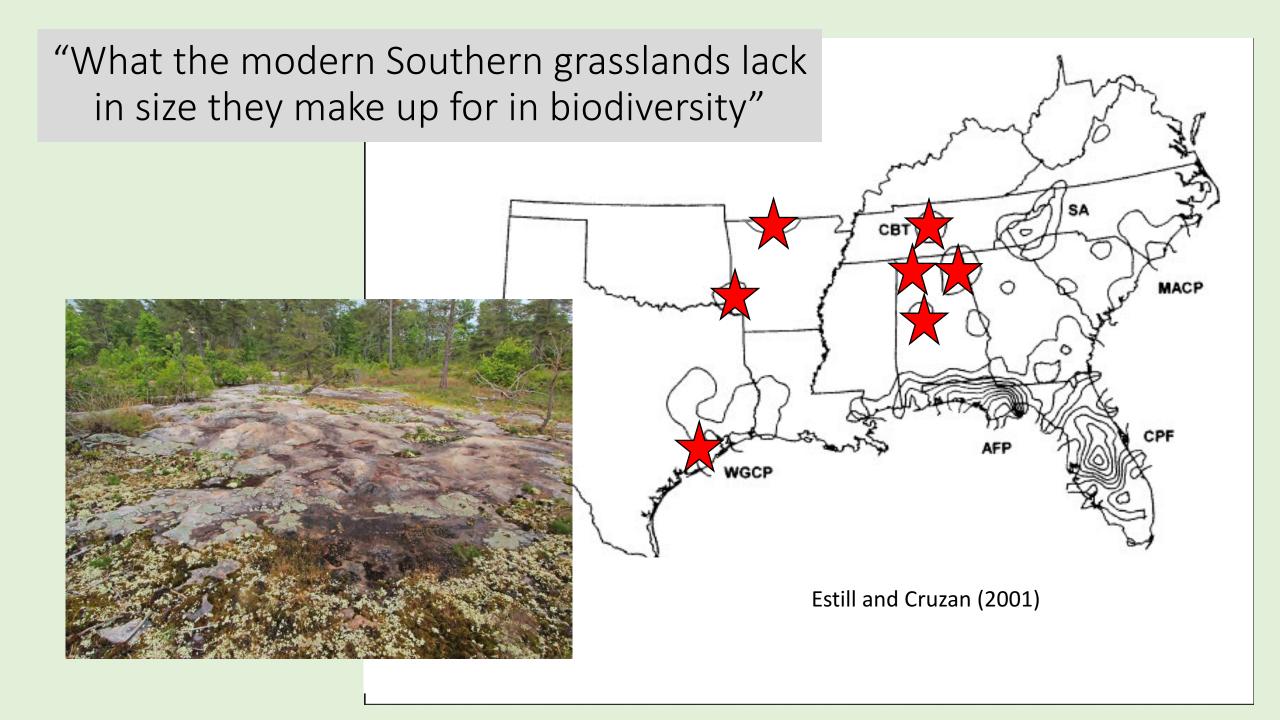


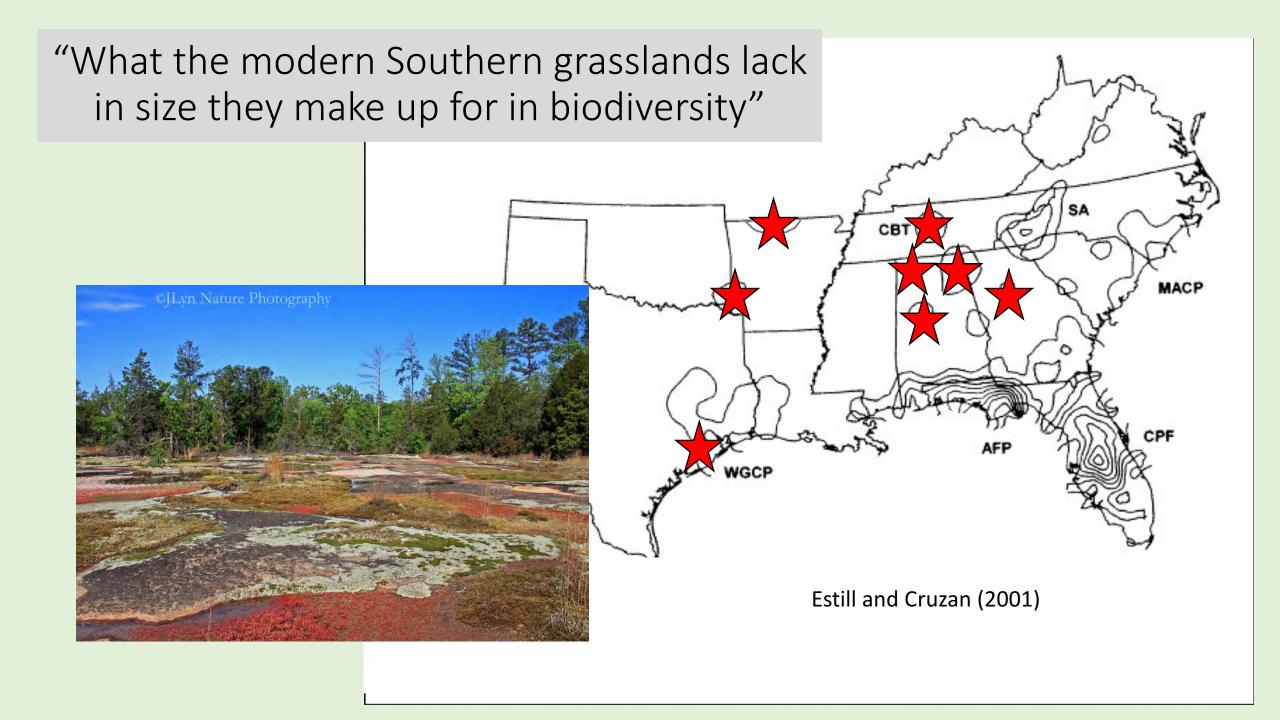


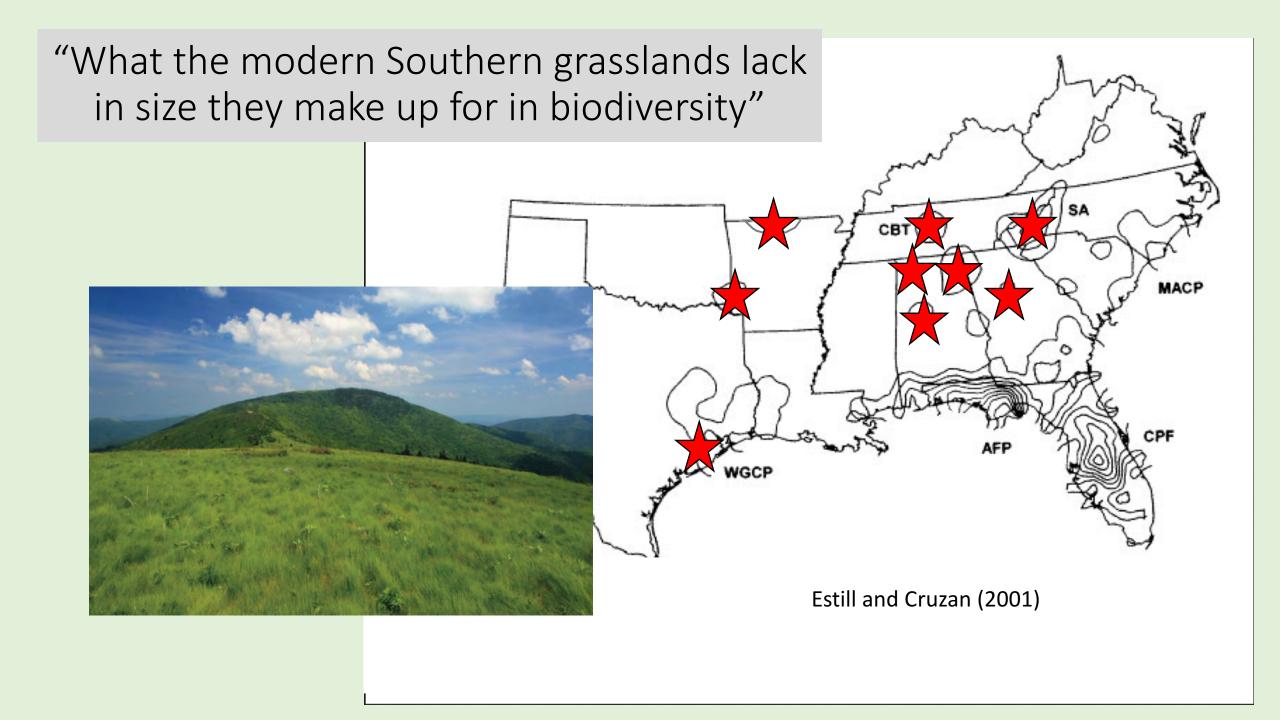


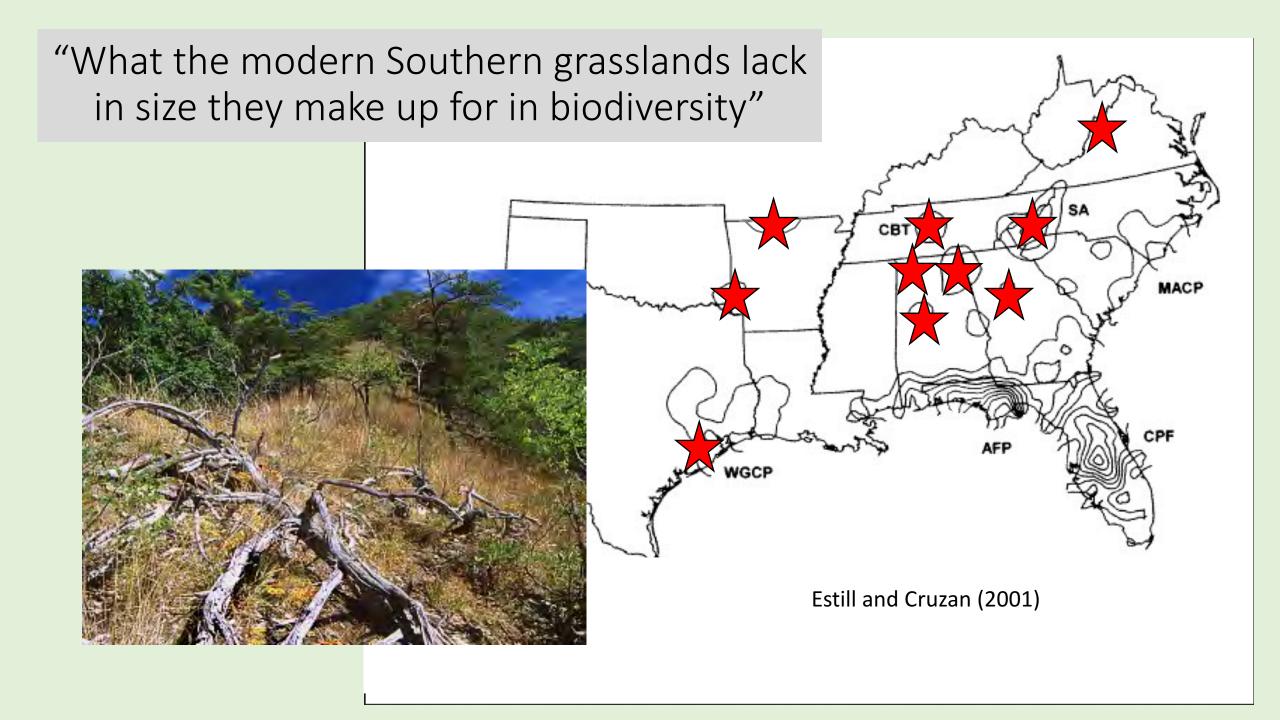


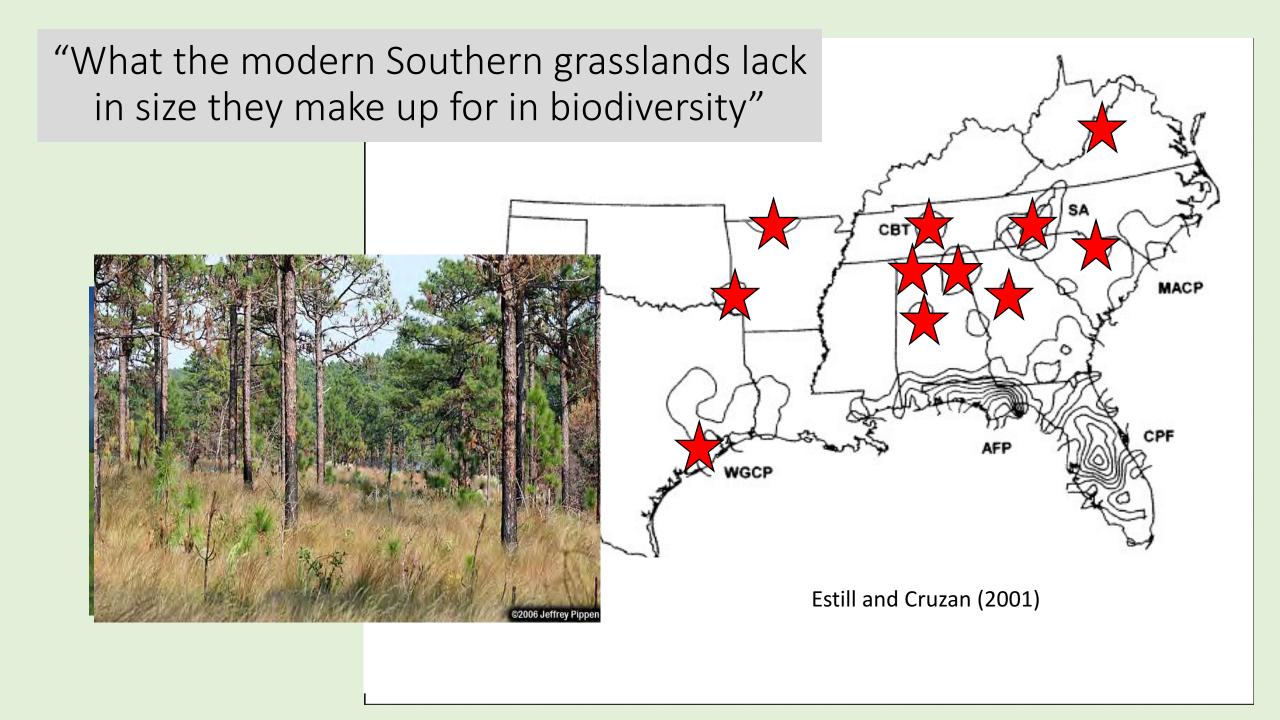


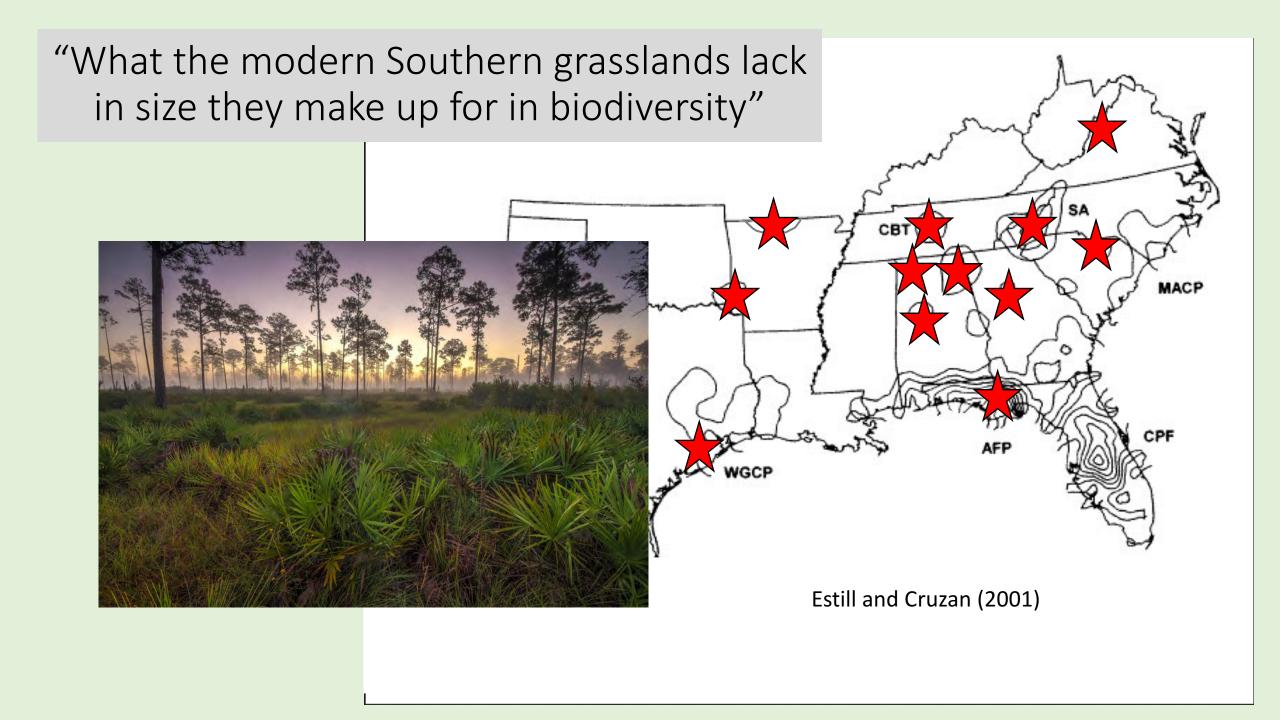


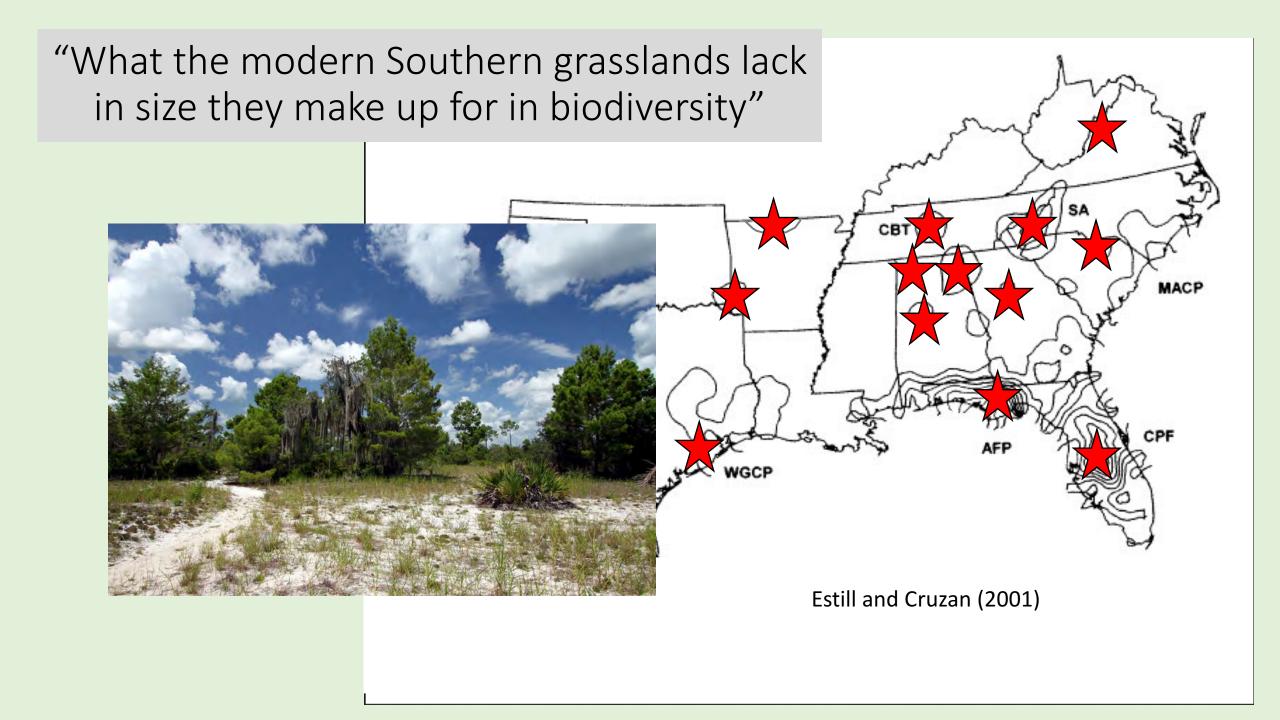




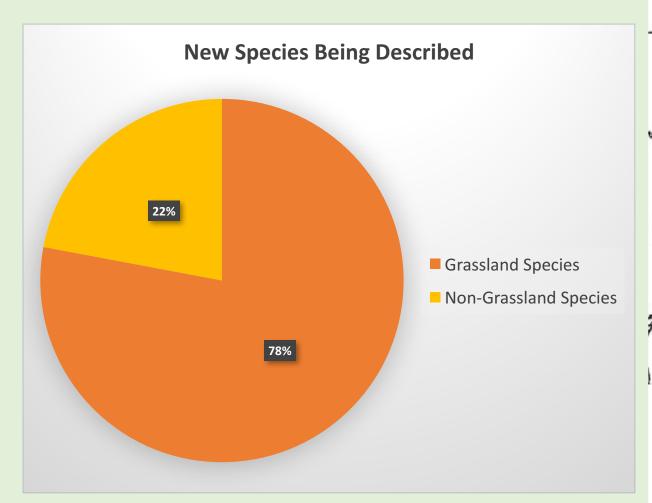


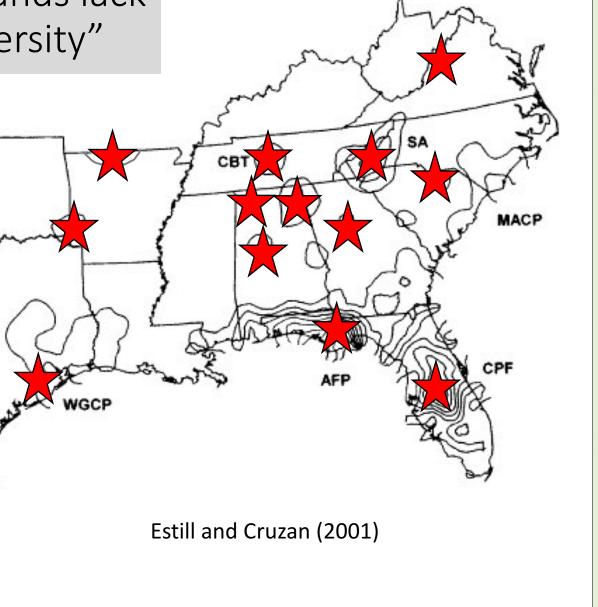




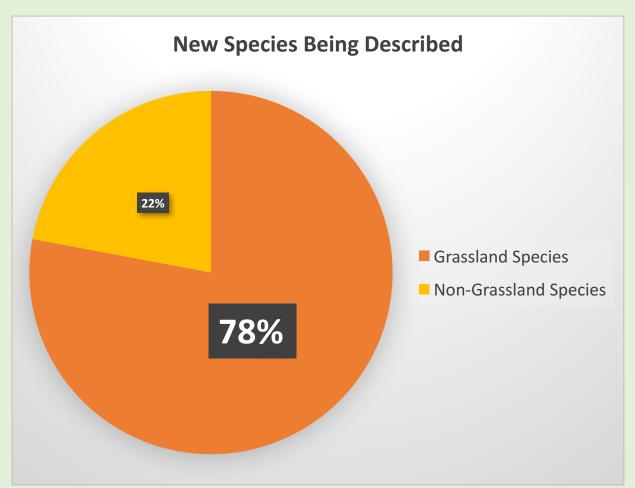


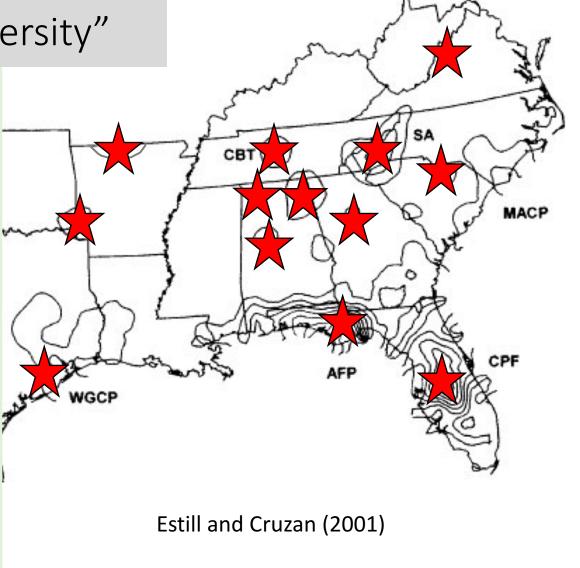
"What the modern Southern grasslands lack in size they make up for in biodiversity"



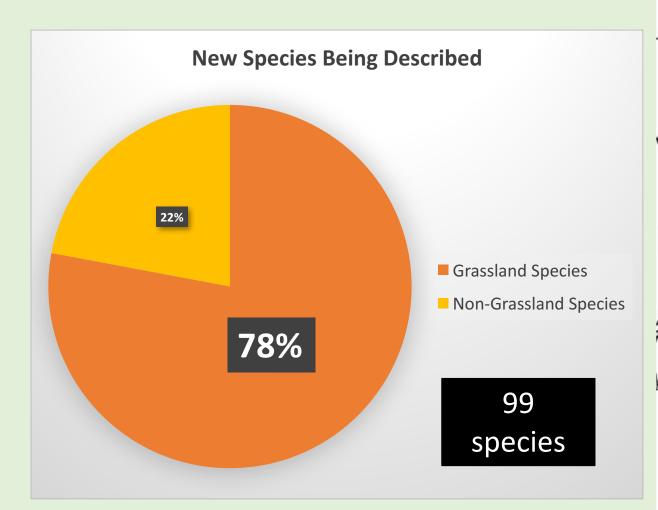


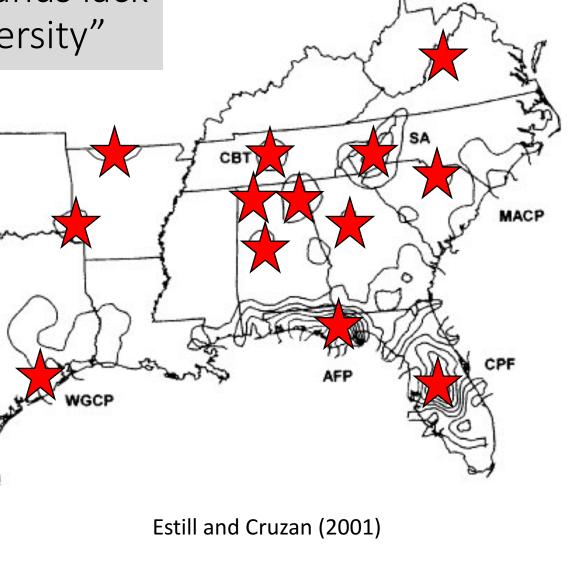


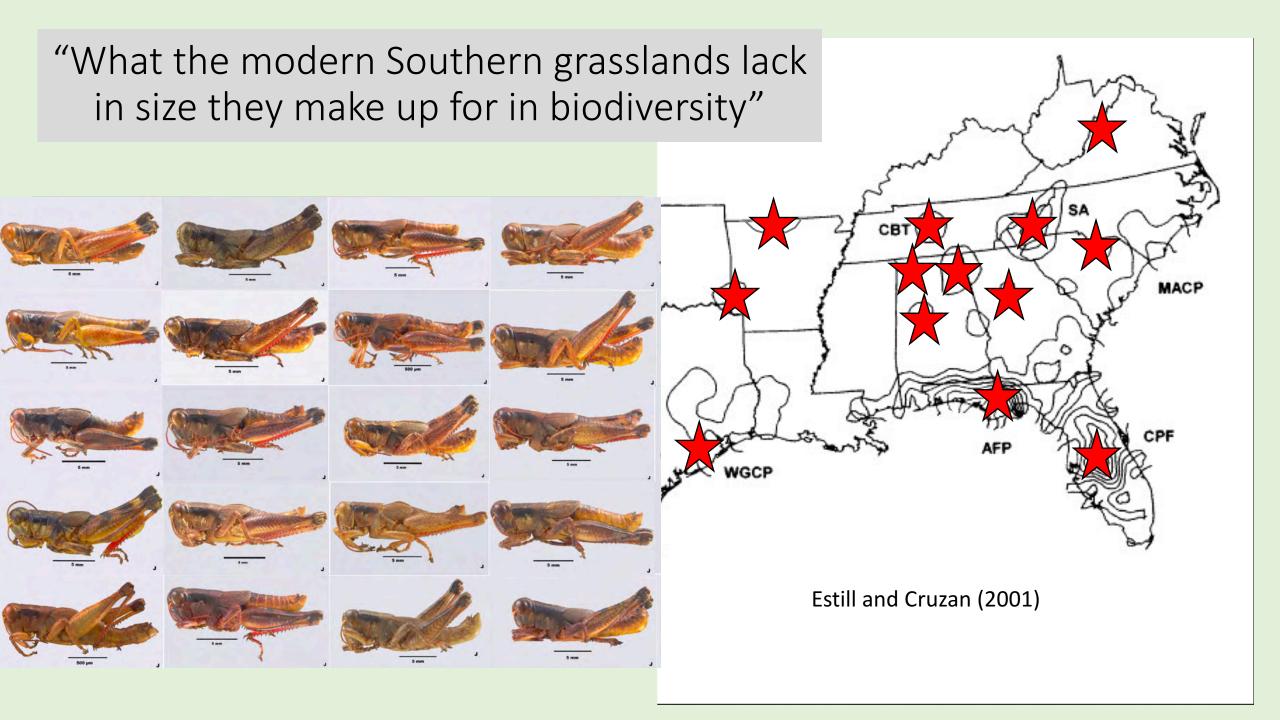


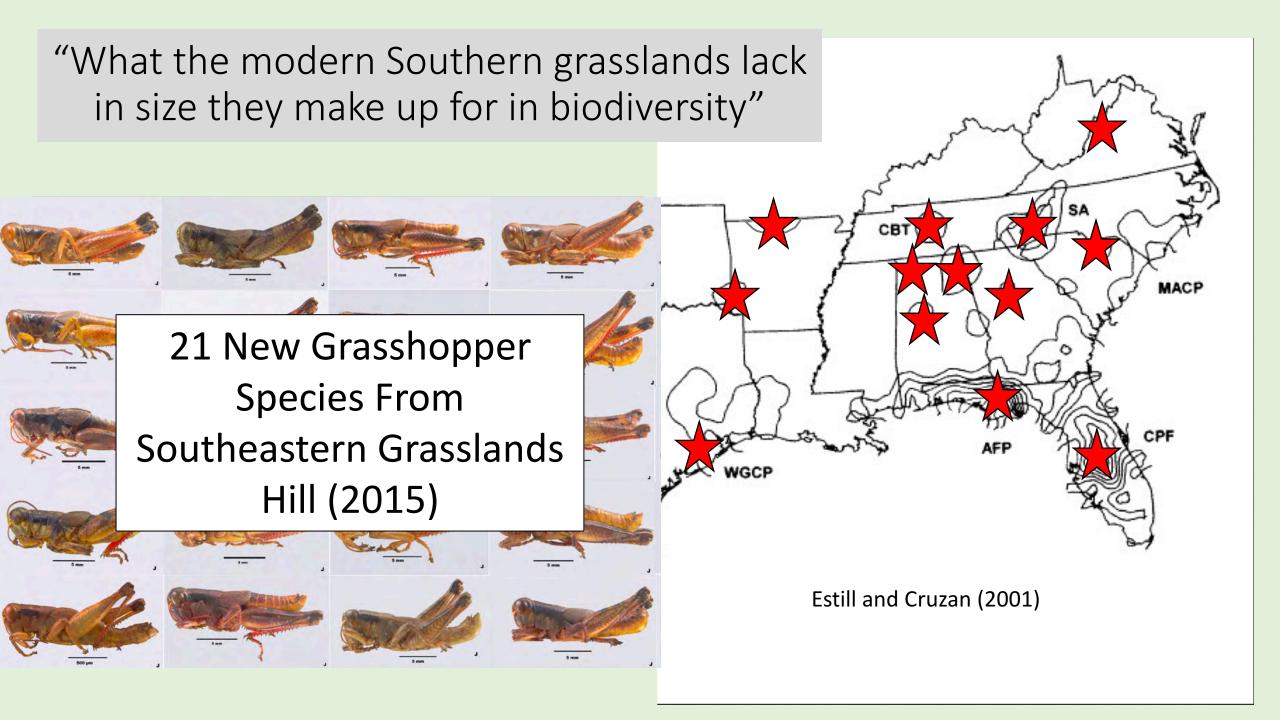


"What the modern Southern grasslands lack in size they make up for in biodiversity"

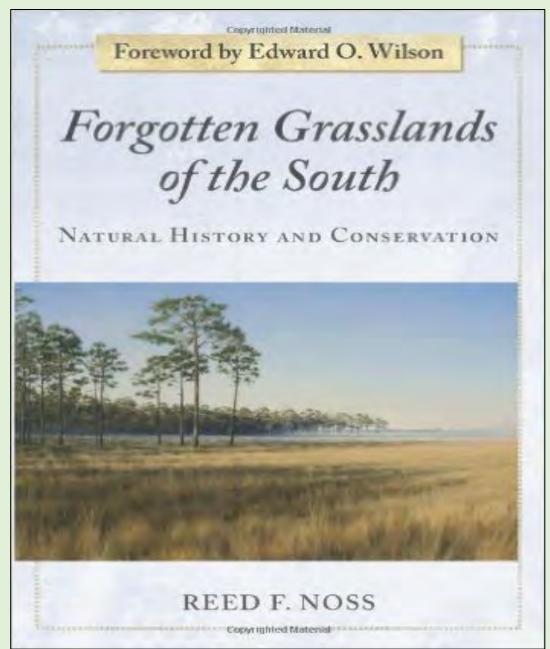


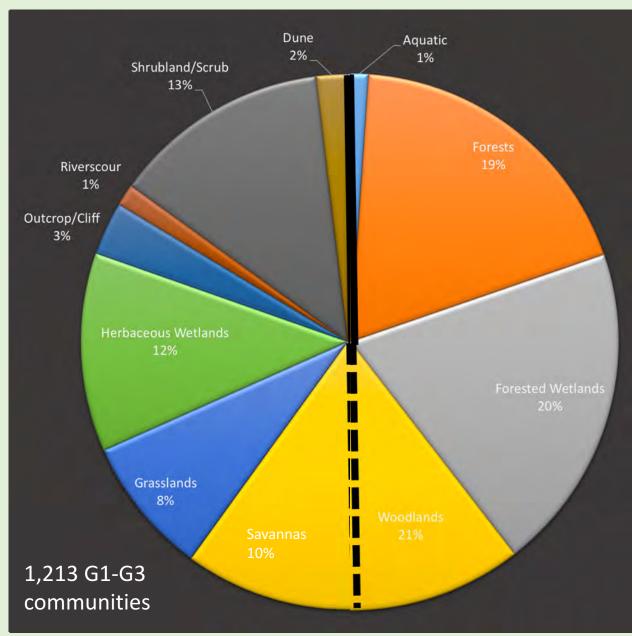




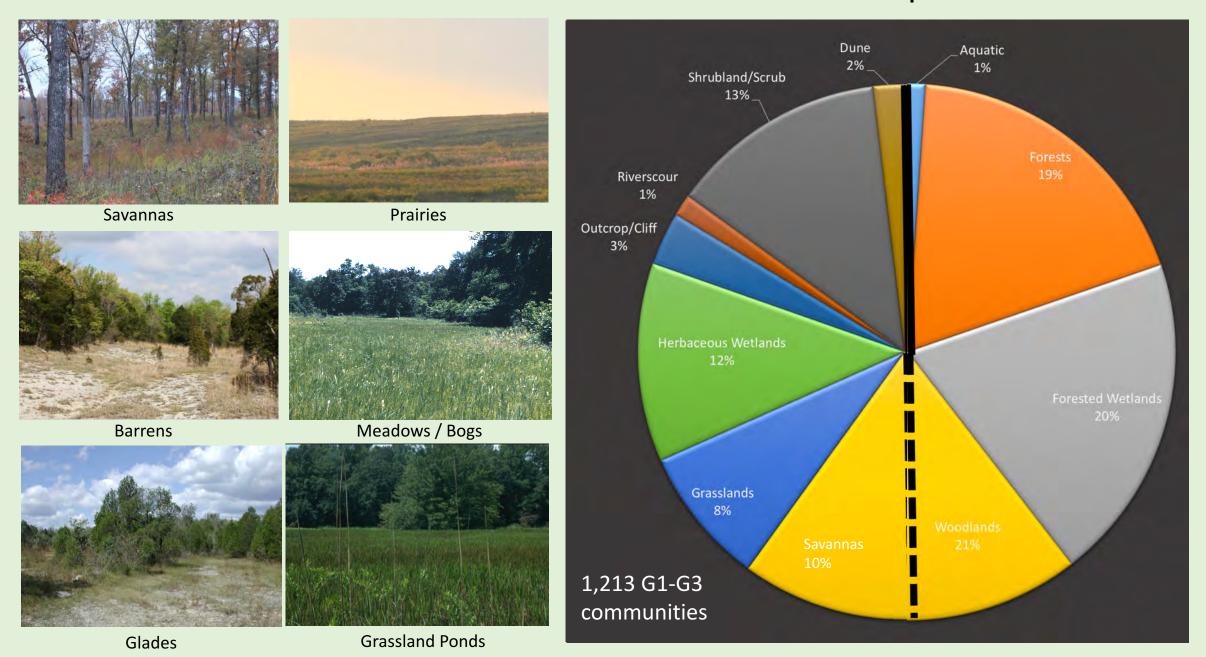


Can we afford to let our last remnants slip into oblivion?

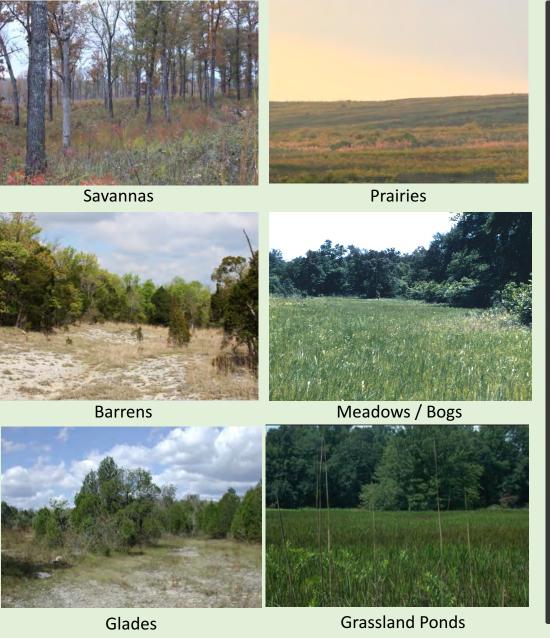


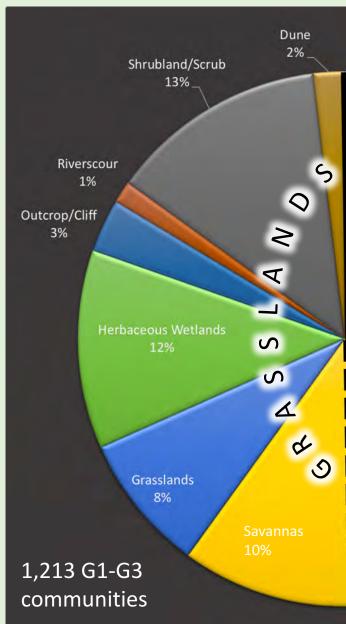


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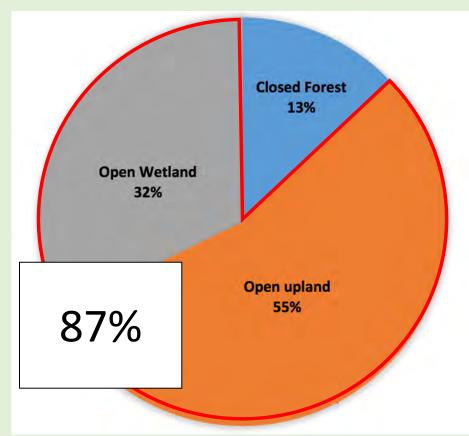
Can we afford to let our last remnants slip into oblivion?





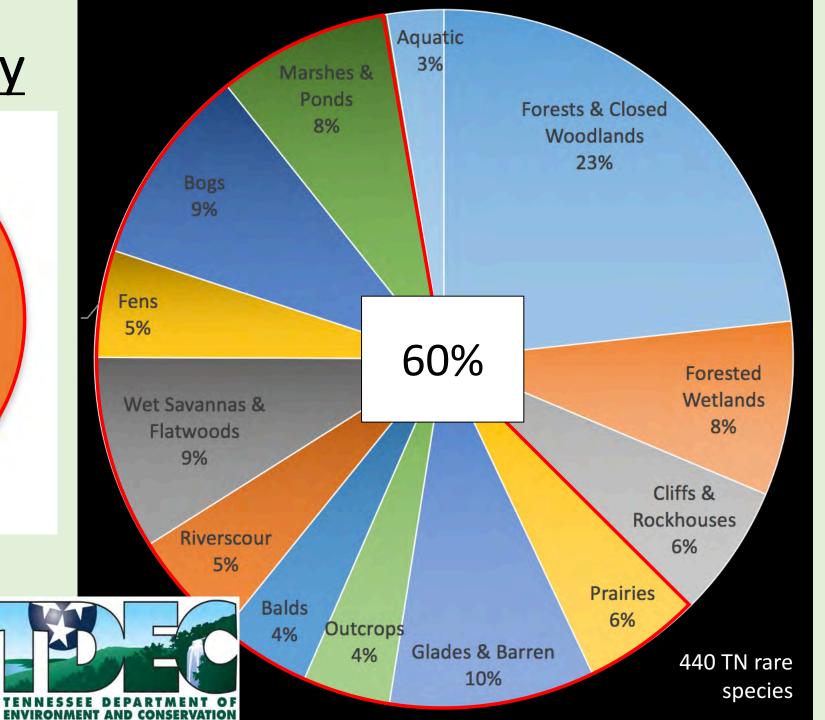
49% grasslands

Plant Biodiversity

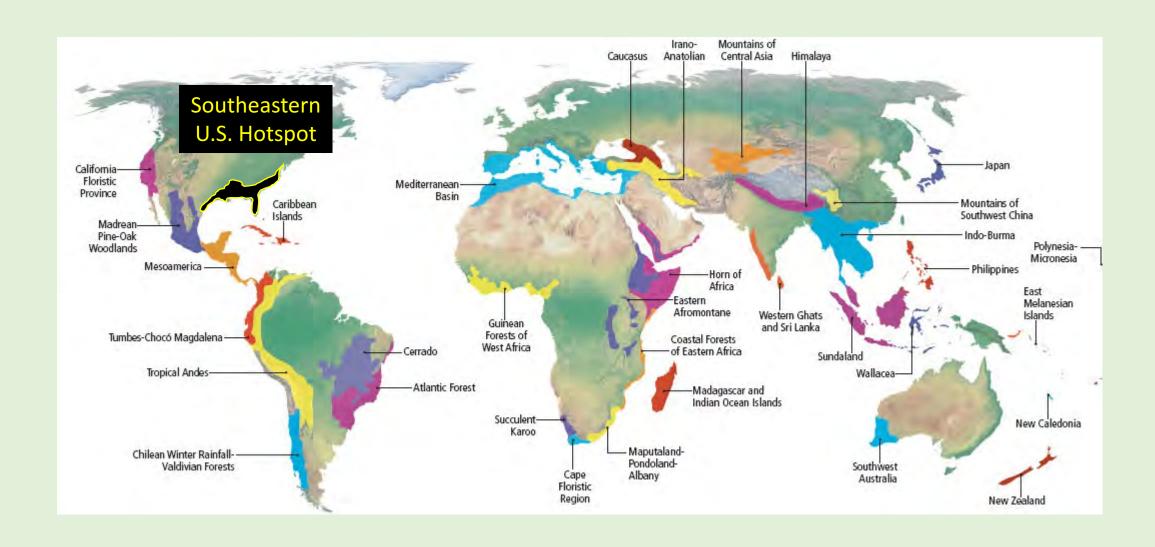


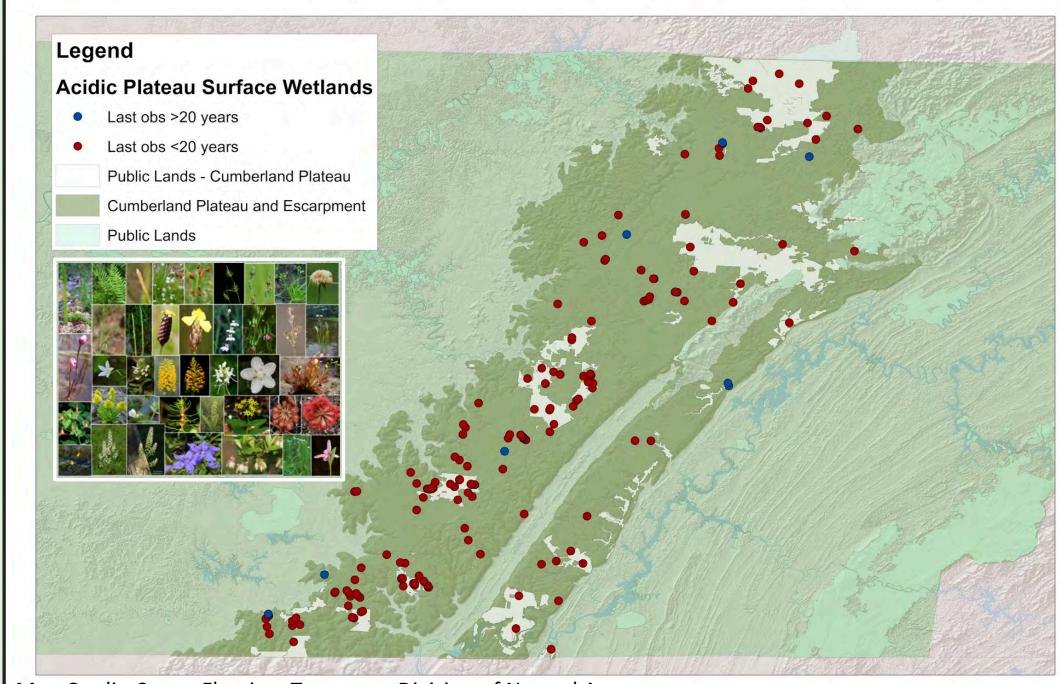


62 federal-listed species

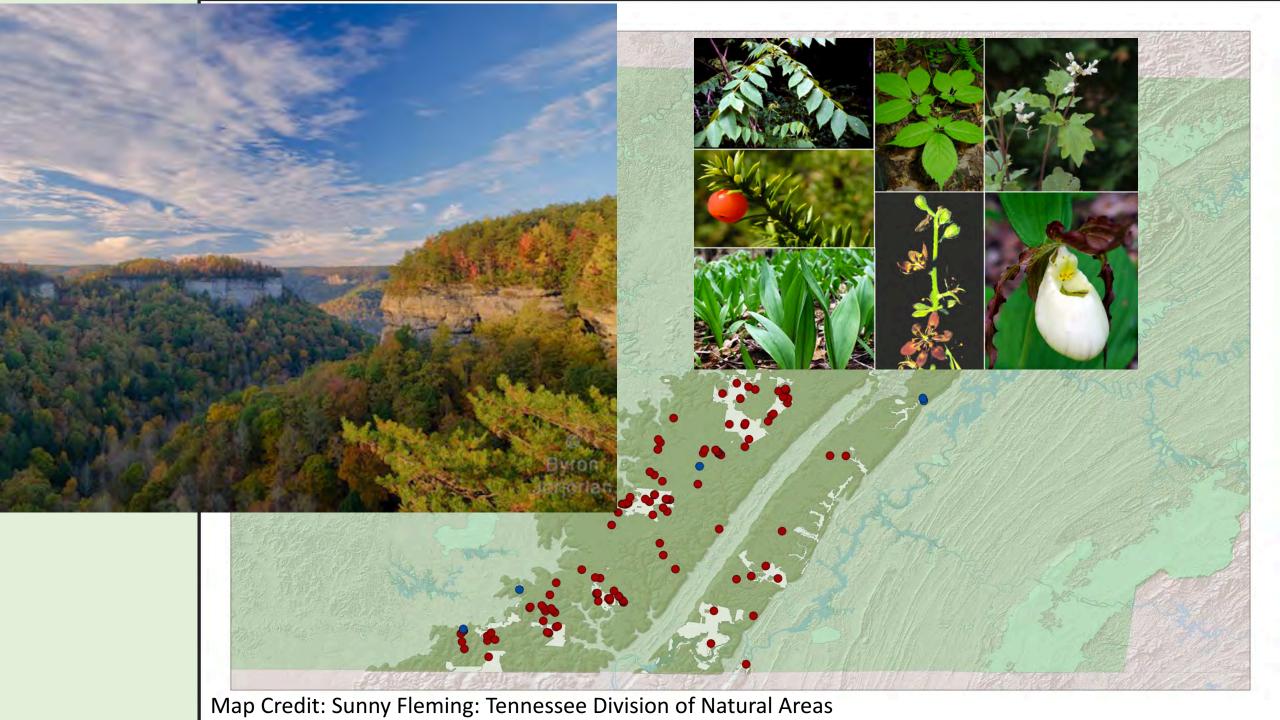


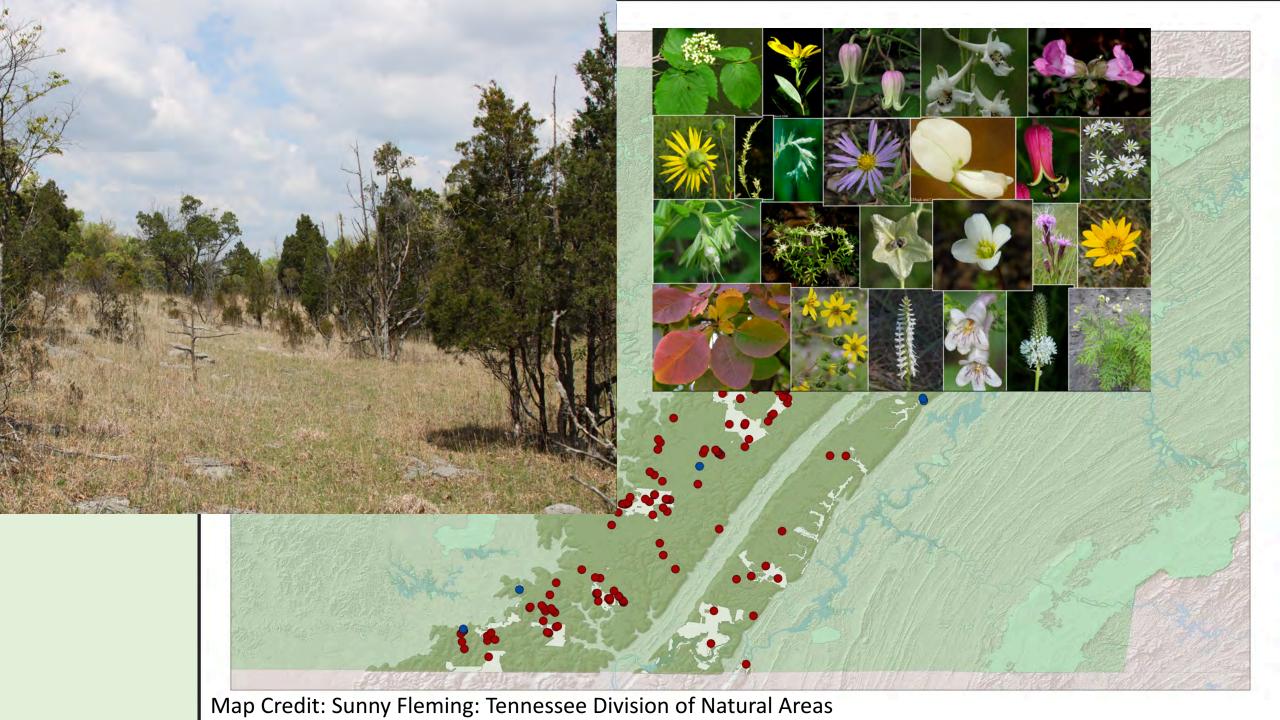
Global Biodiversity Hotspots

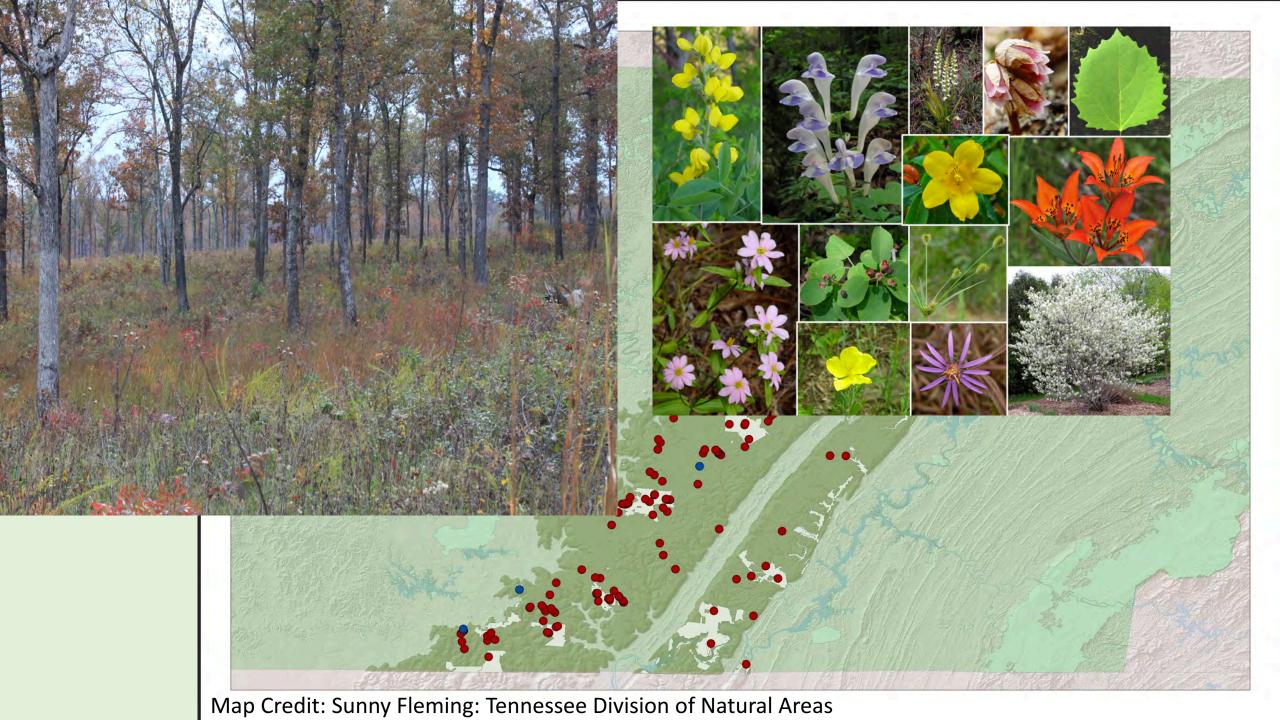


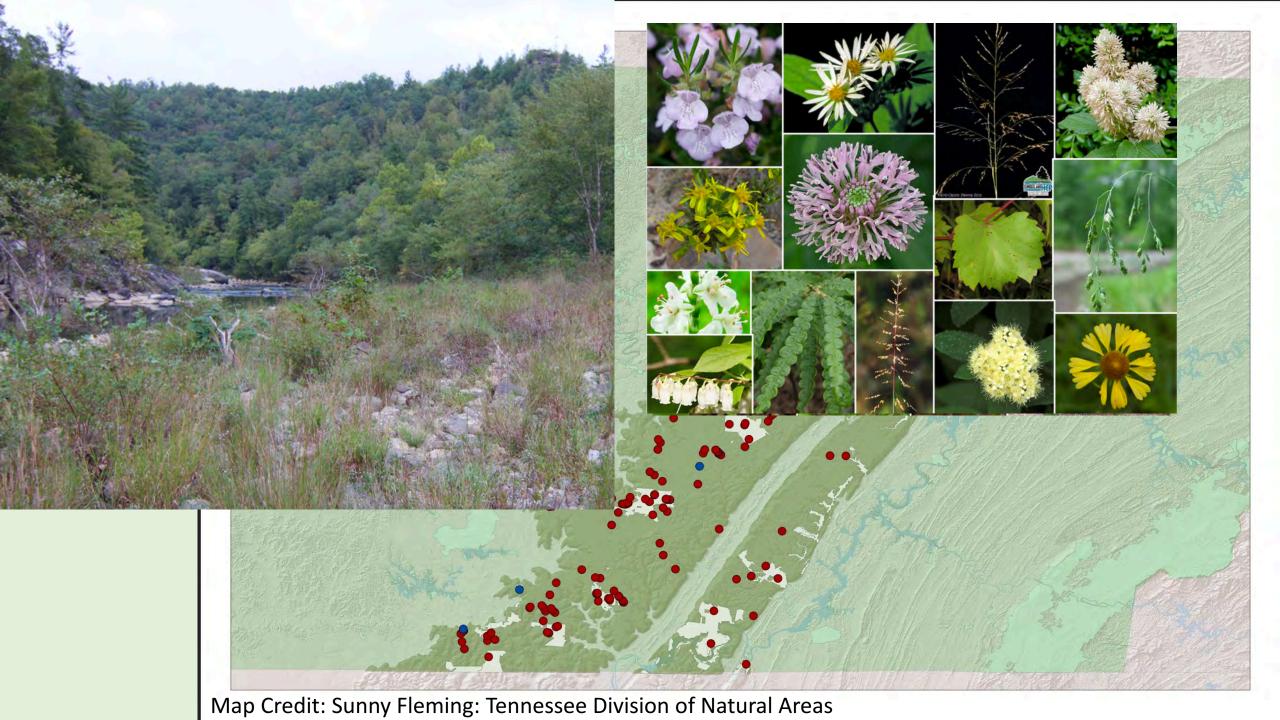


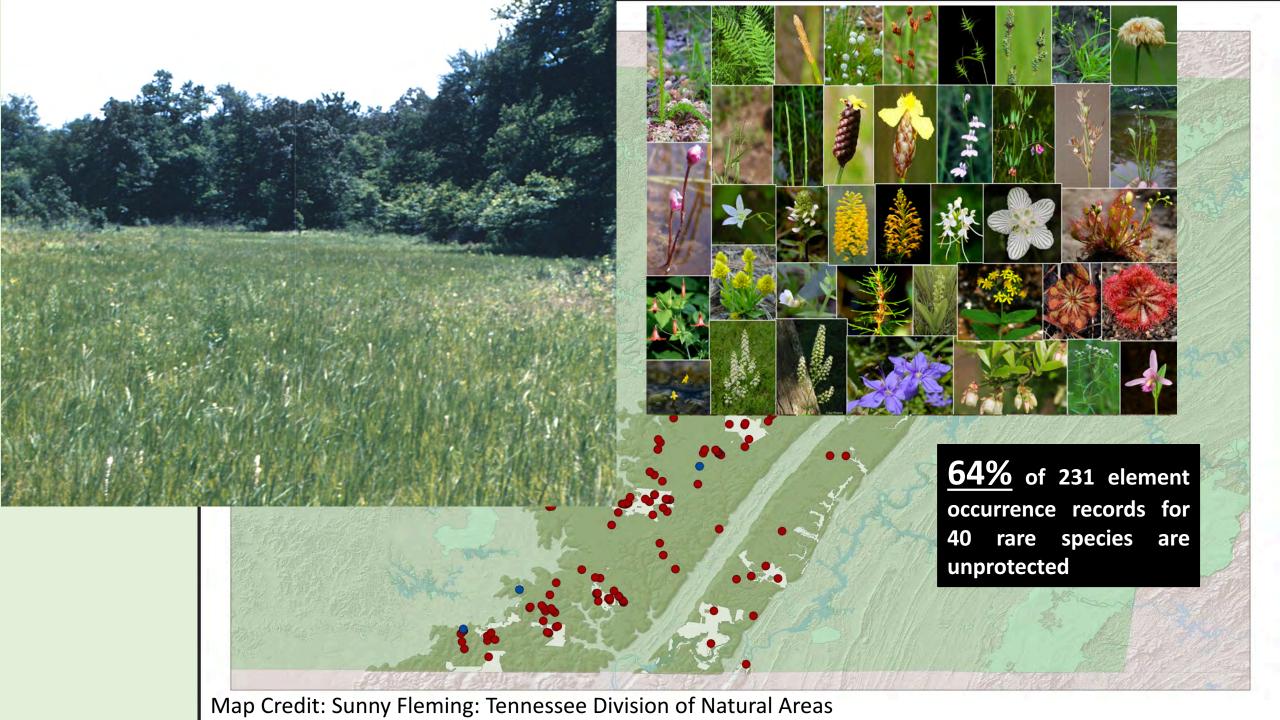
Map Credit: Sunny Fleming: Tennessee Division of Natural Areas

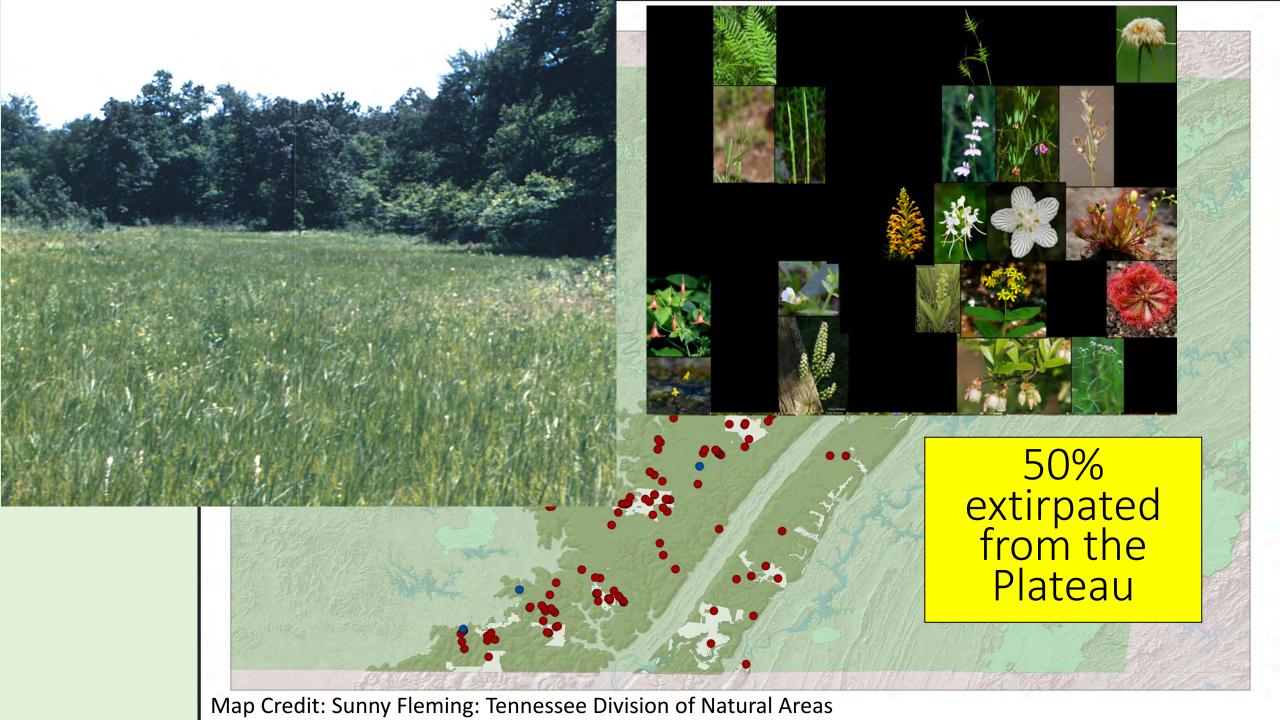














Ecological Collapse



























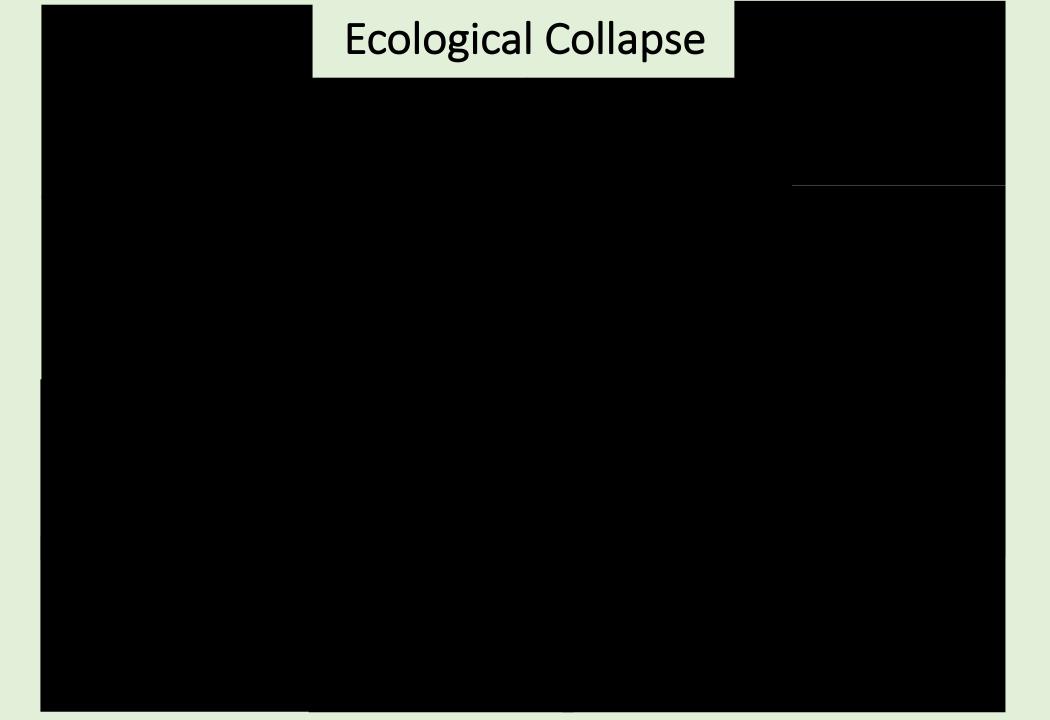




Ecological Collapse

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Renewed Interest in Grassland Conservation





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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

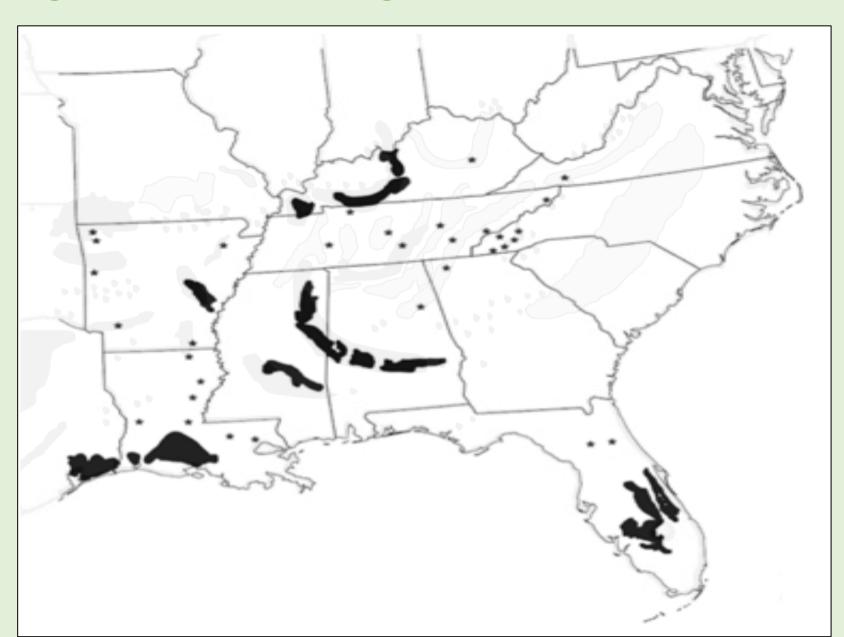
Major Knowledge Gaps

Extreme Rarity

Scarcity of Funding

Diminished Resources

Declining Expertise



The challenges facing Southeastern grasslands

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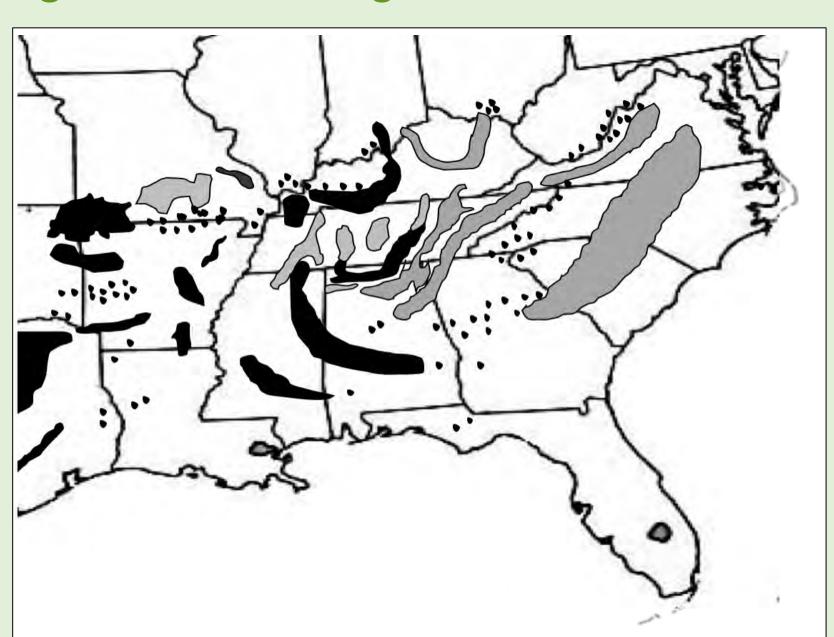
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Saving our grasslands will require...

- unparalleled long-term financial commitment from philanthropy and grants
- support at local, regional, state, and national levels
- leadership and coordination
- investments in infrastructure and organization
- multifaceted commitment combining preservation, restoration, recreation, rescue, research, education and outreach, market-driven approaches, and <u>seedbanking</u>



Research





- Research
- Education





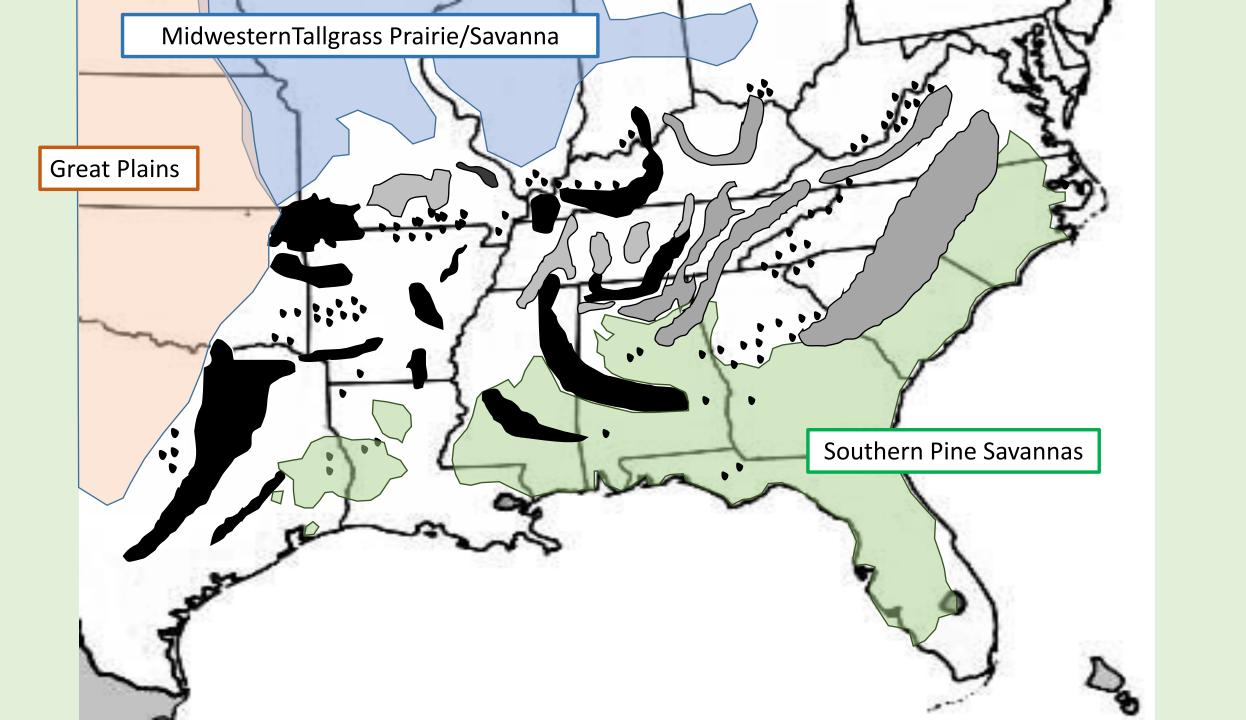
- Research
- Education
- Consultation

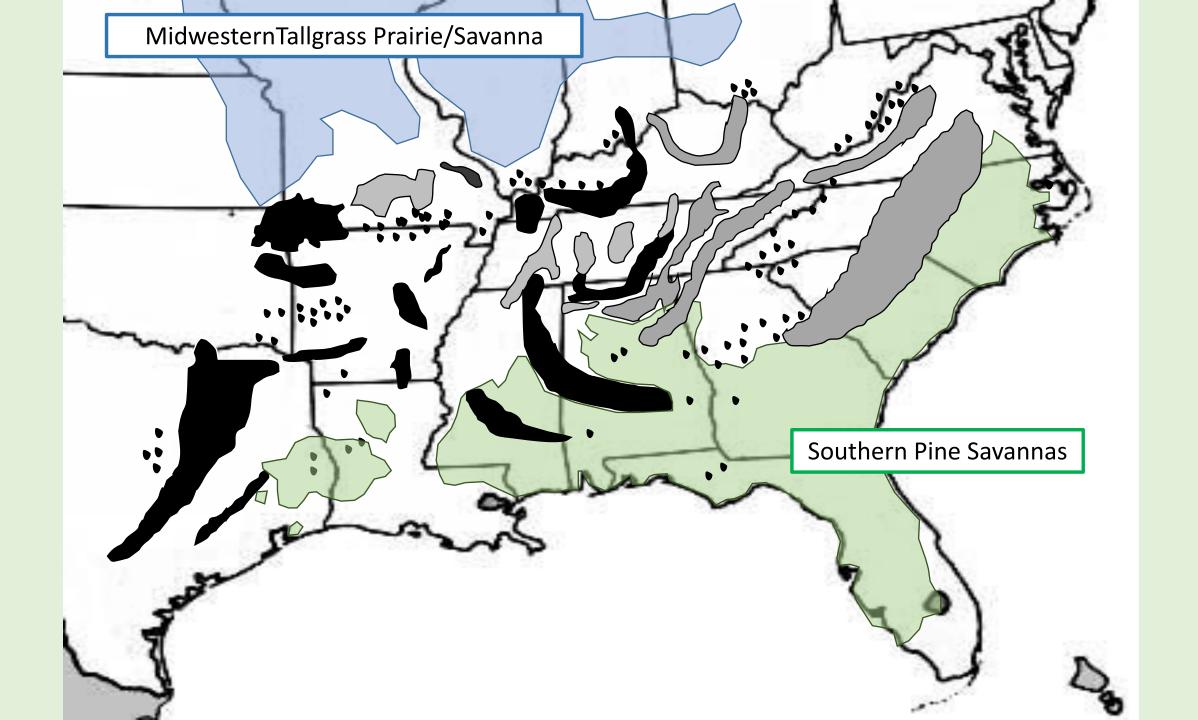


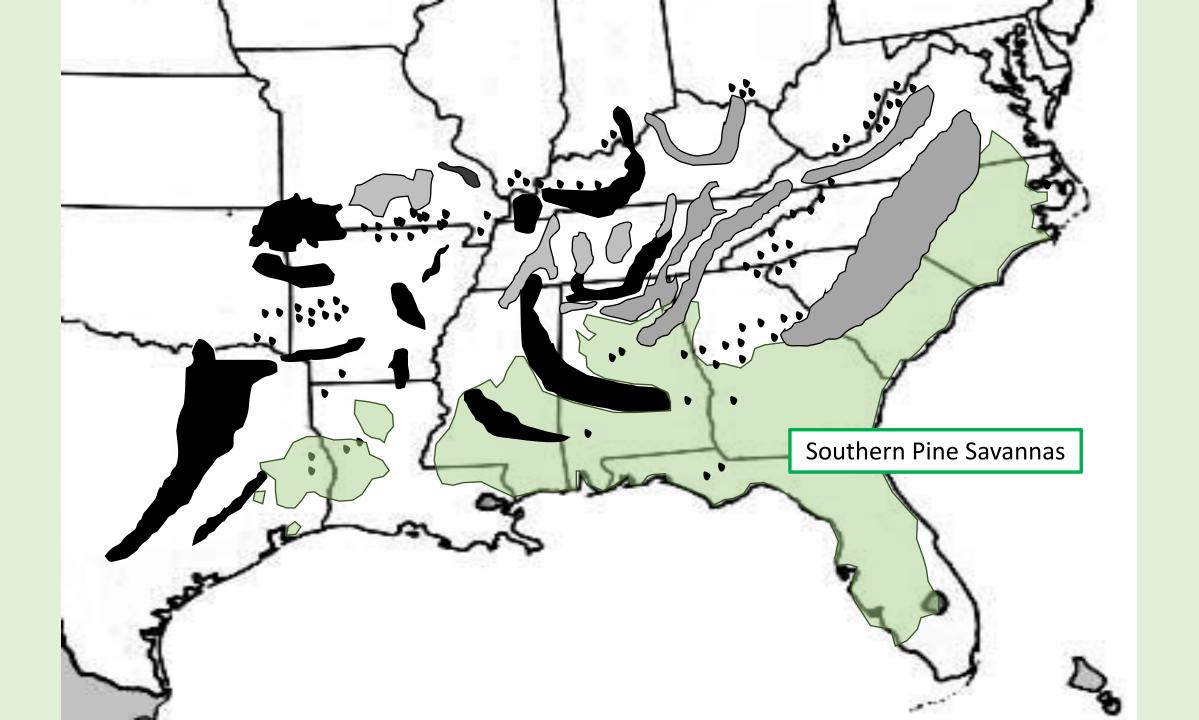


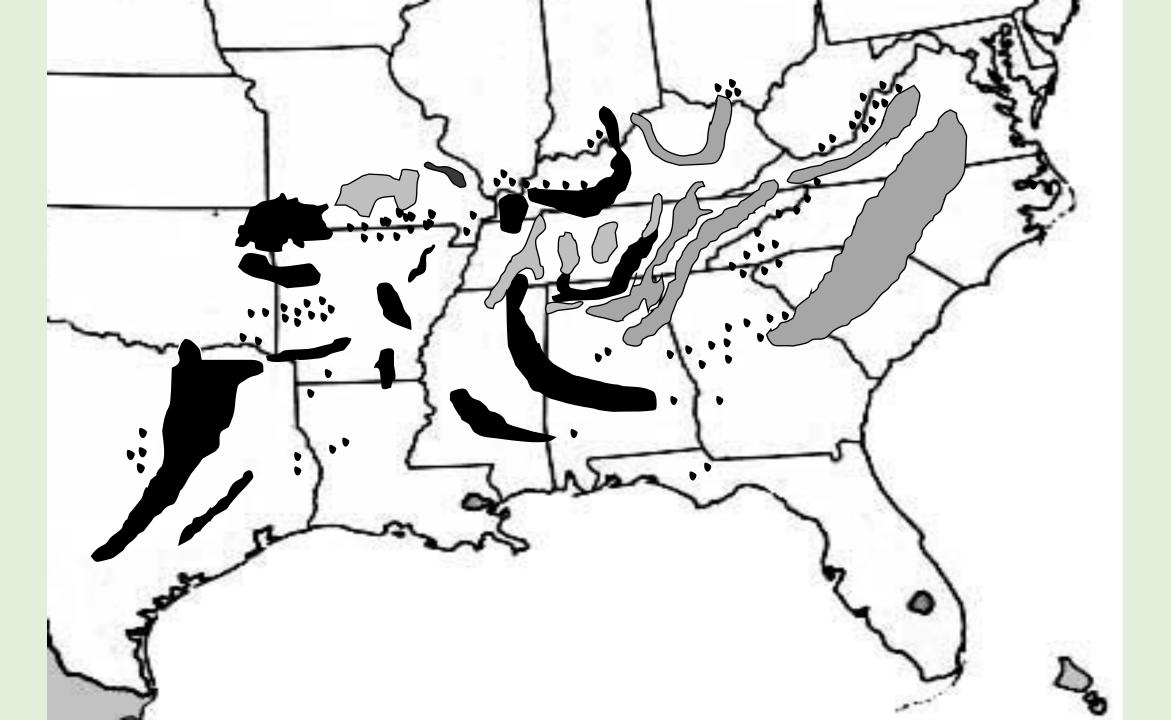
- Research
- Education
- Consultation
- Granting Program

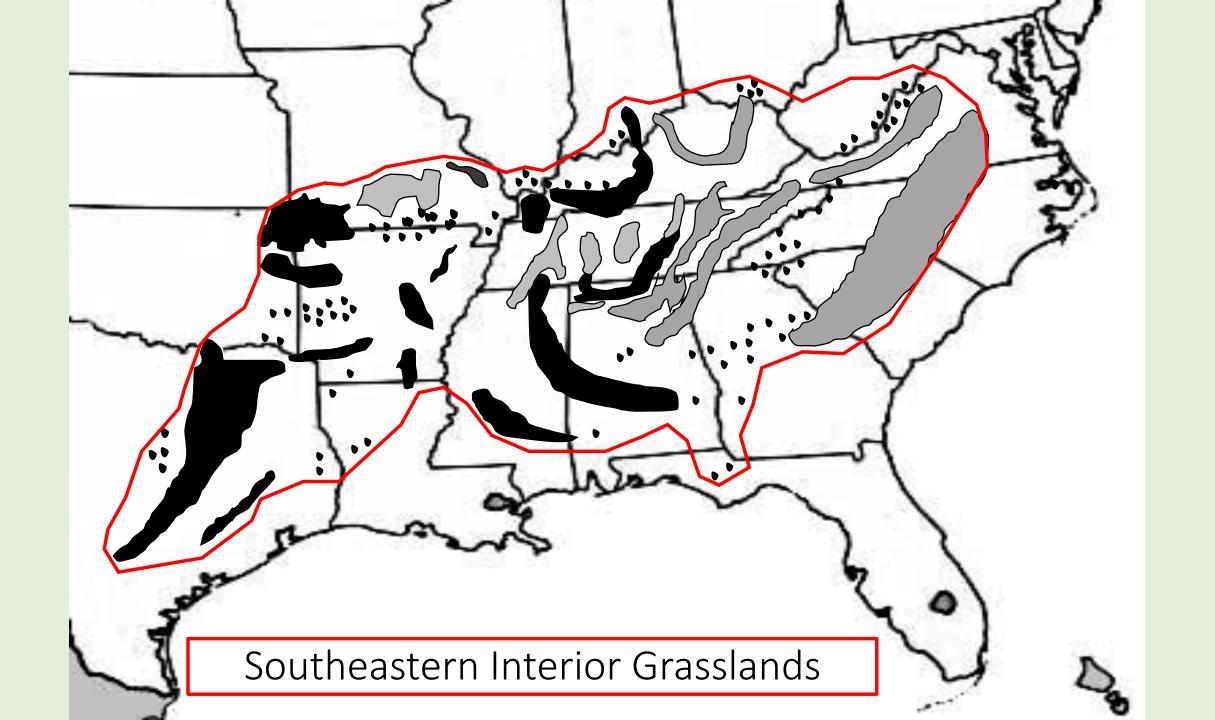


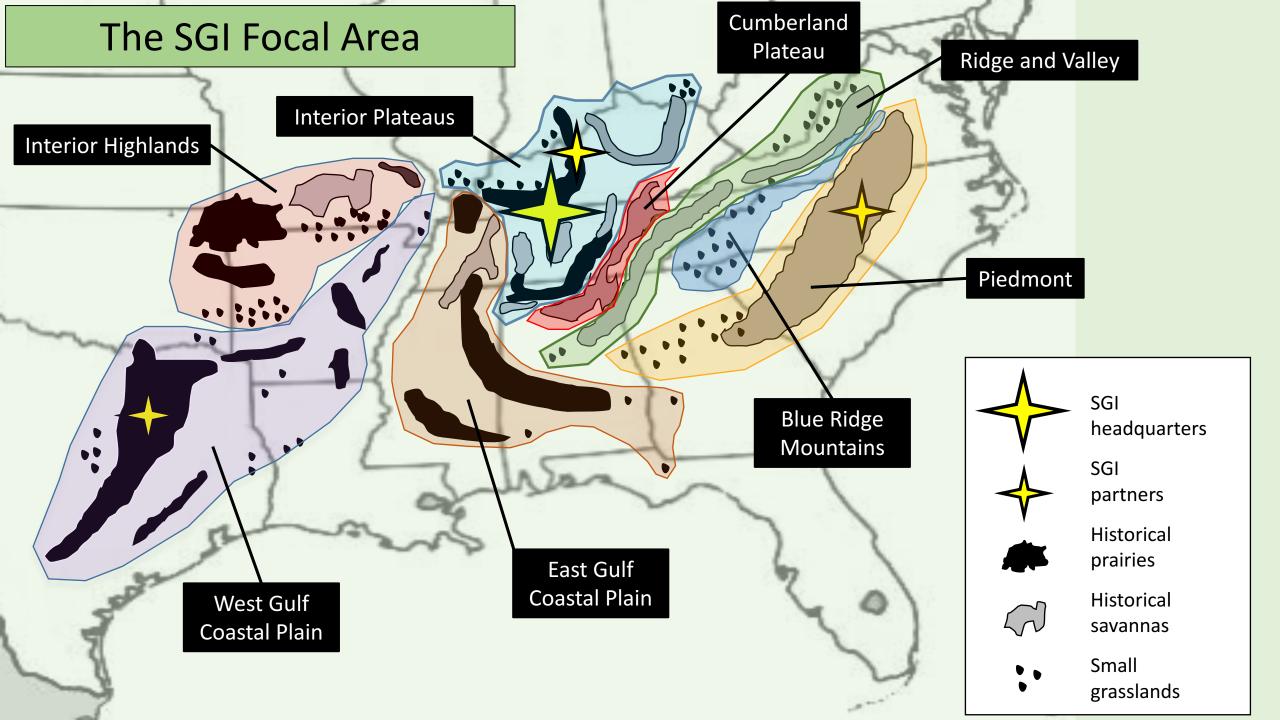




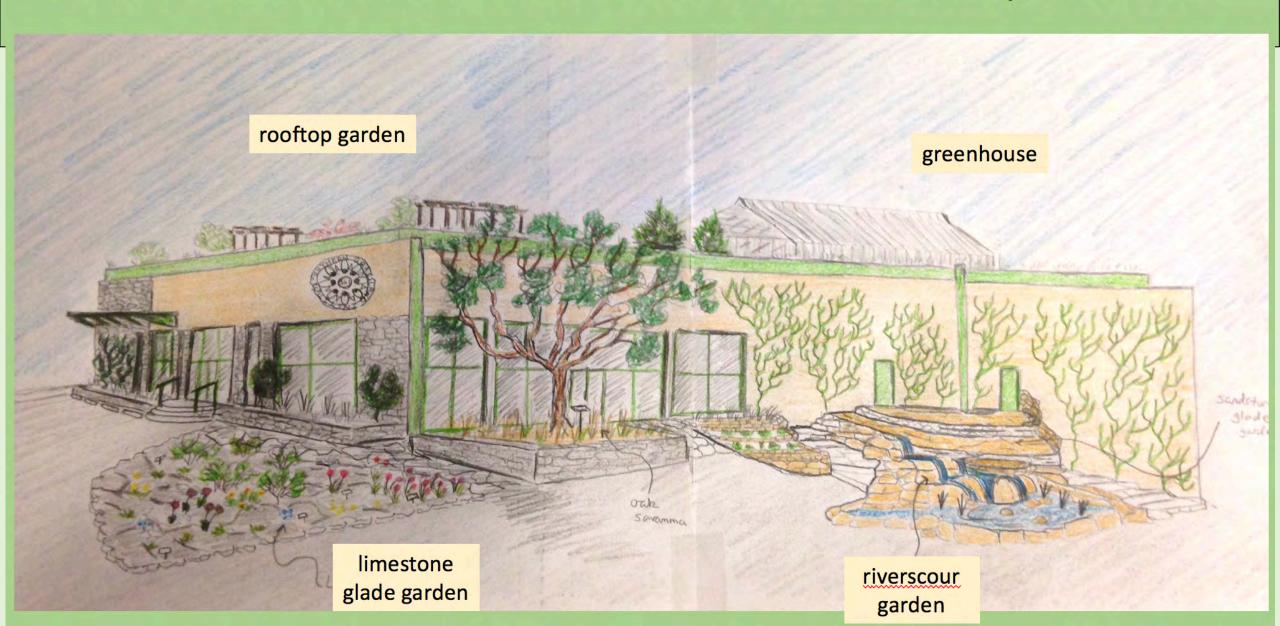








The Southeastern Grassland Biodiversity Center



Headquarters of the Southeastern Grasslands Initiative

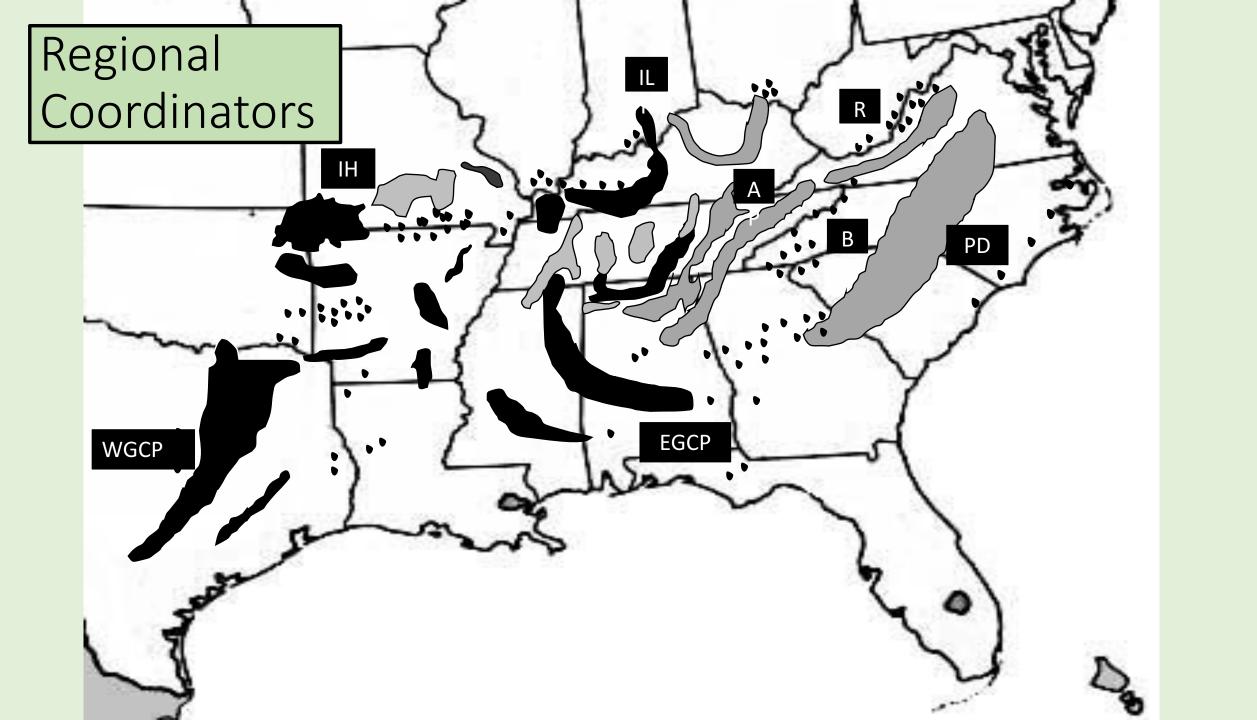


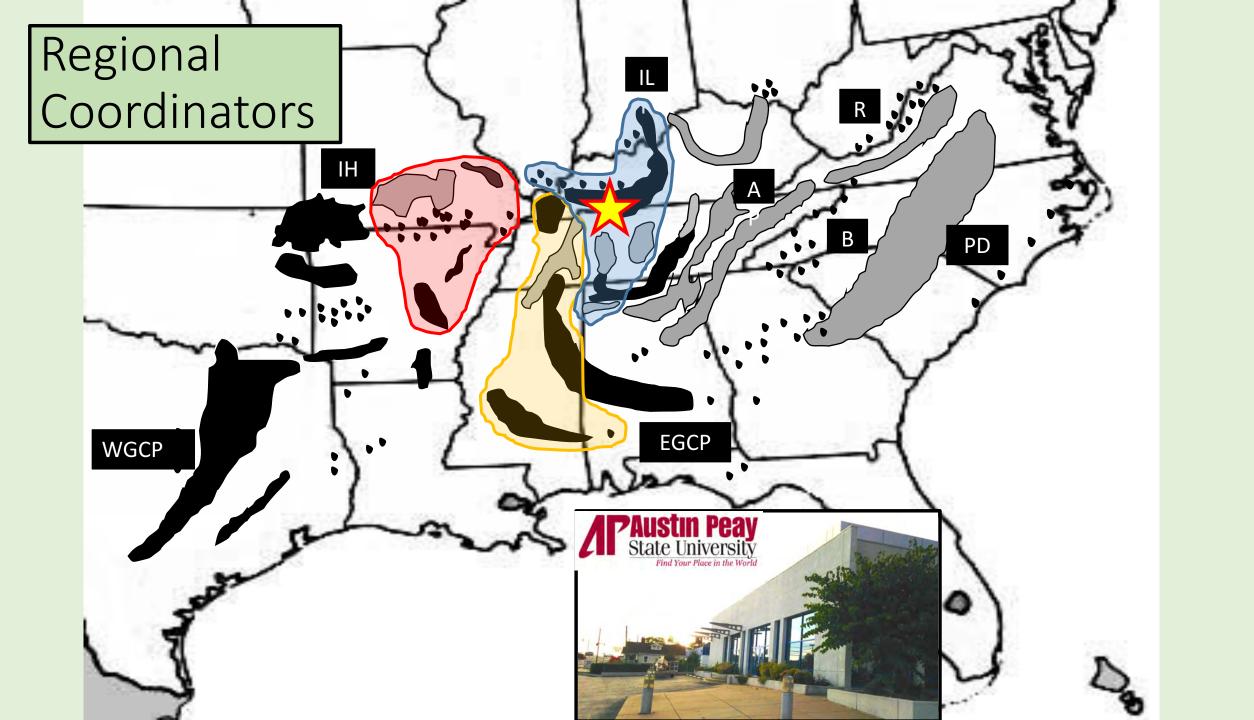


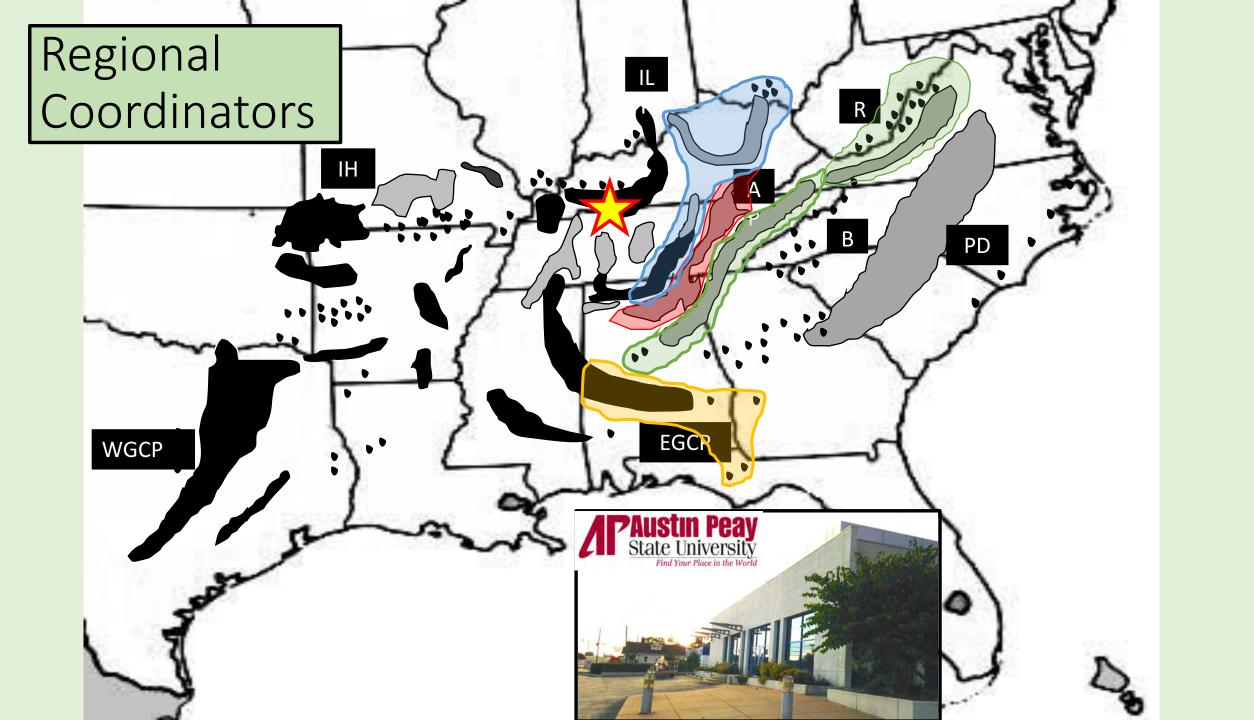
A Seedbank to Serve the Mid-South U.S.

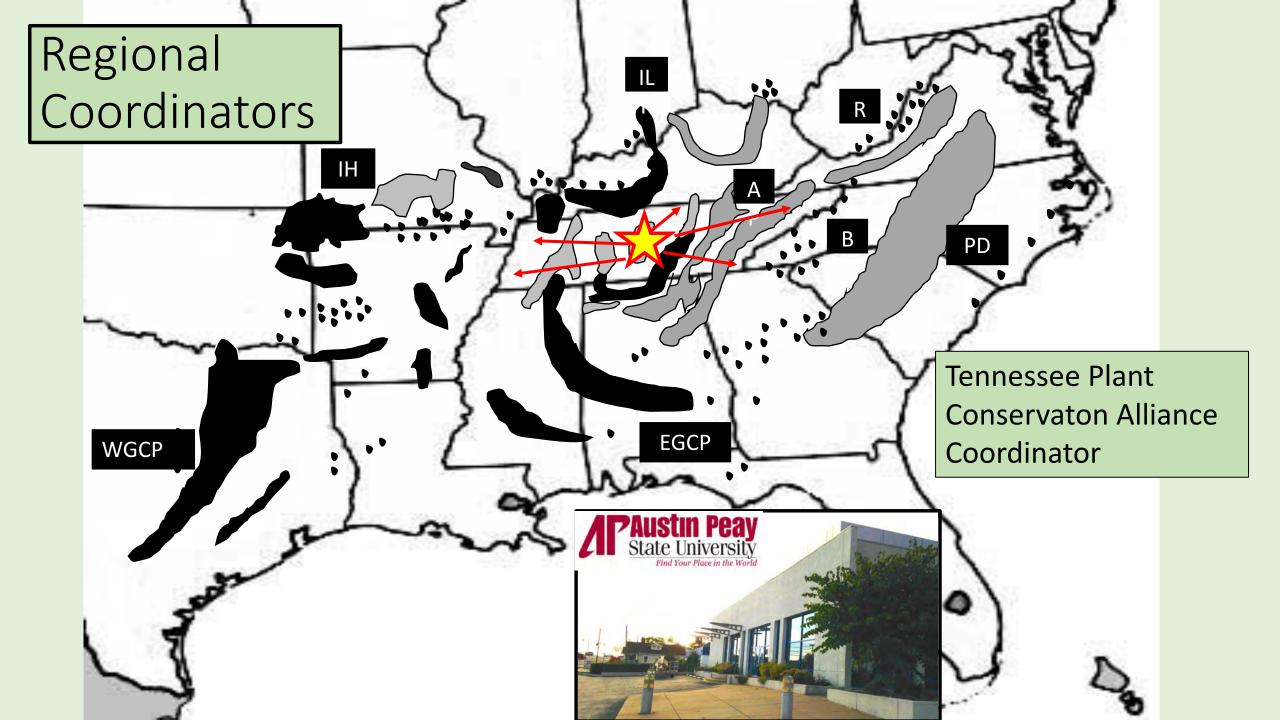


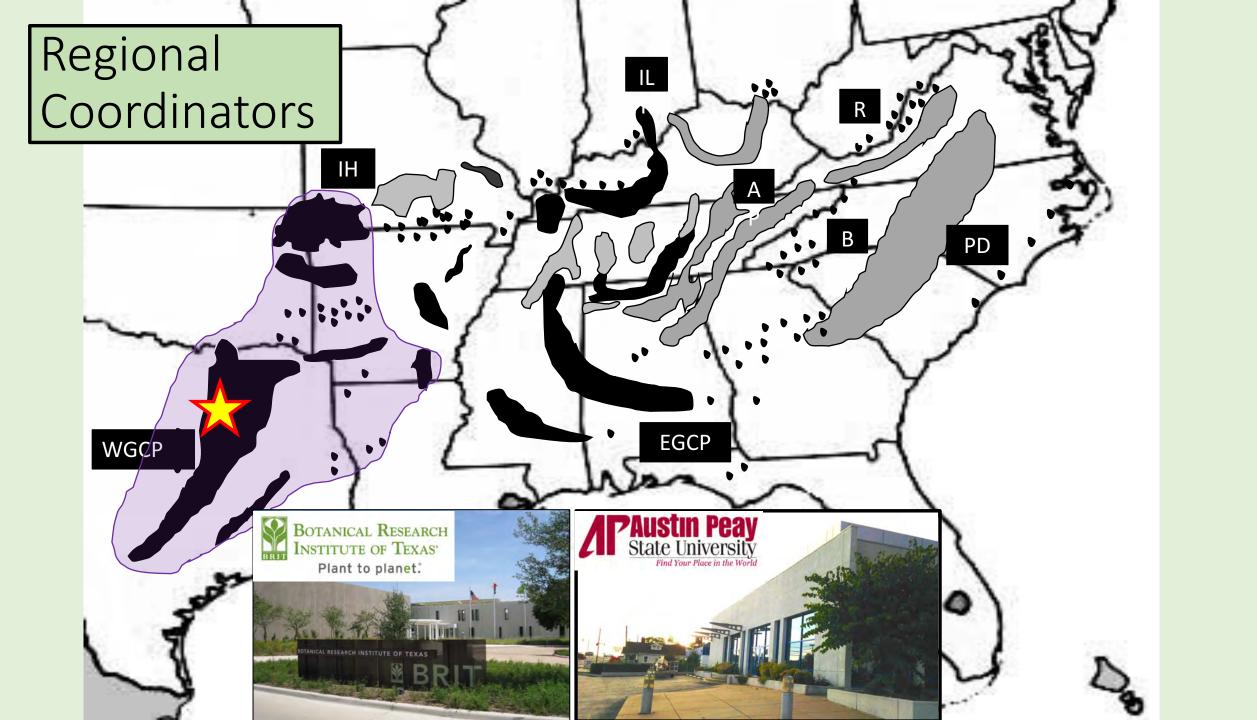






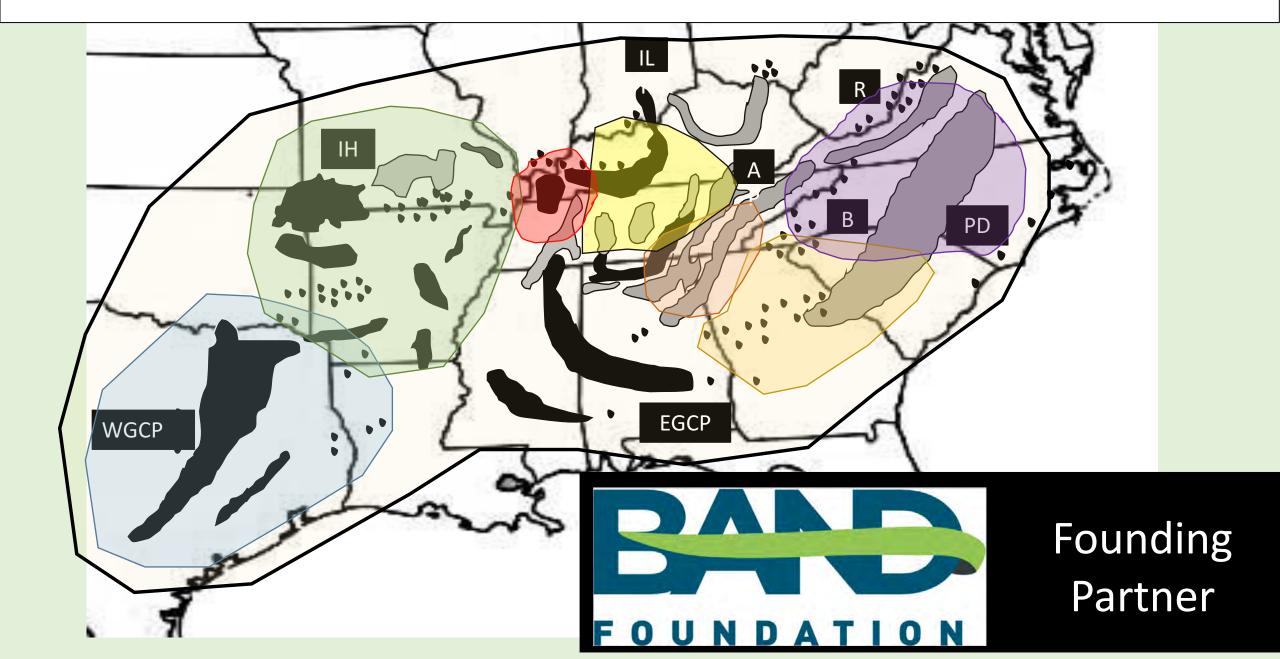


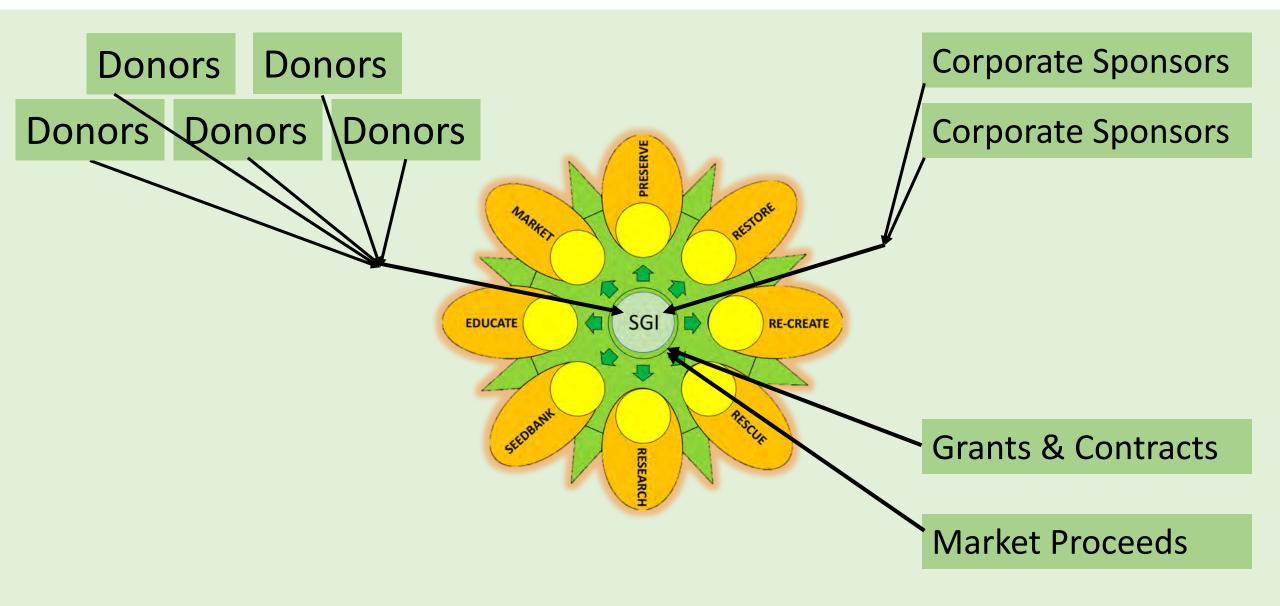






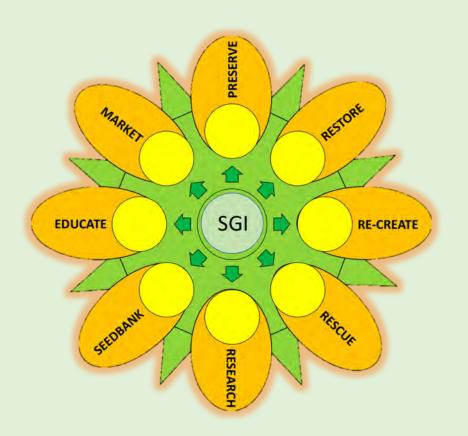
How will we be funded?

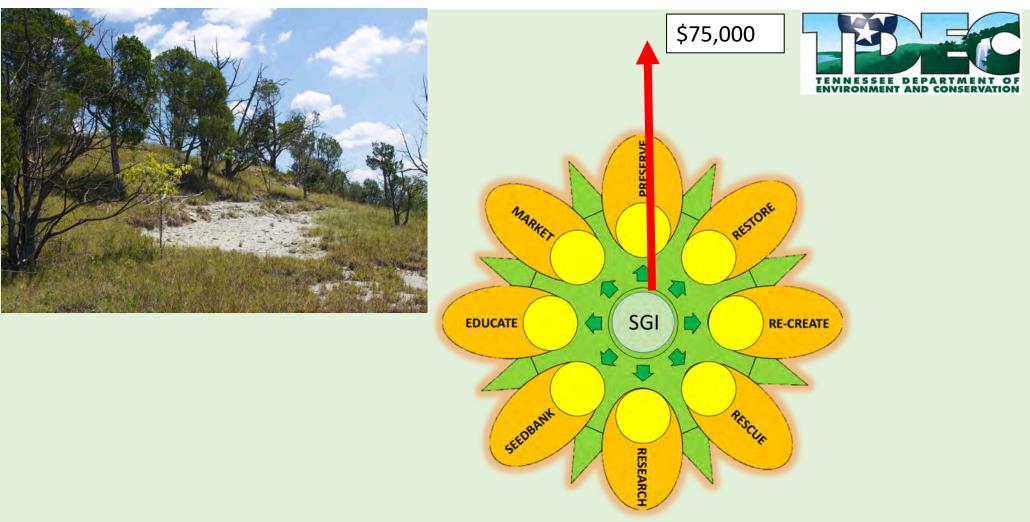




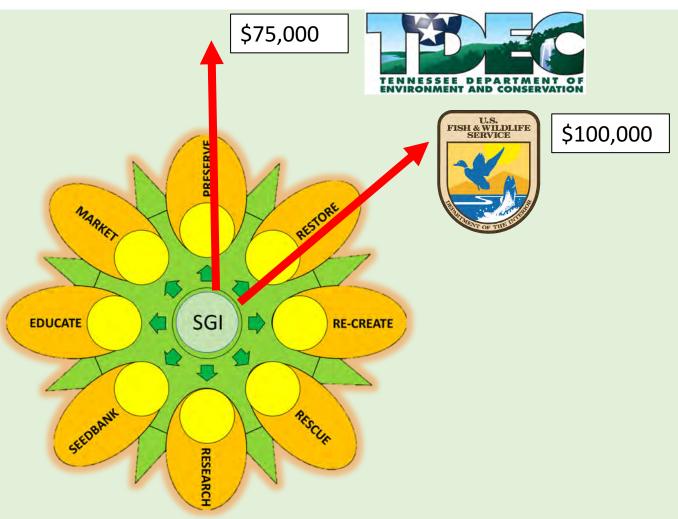


Dr. Alan Weakley Chair, Grassland Advisory Board

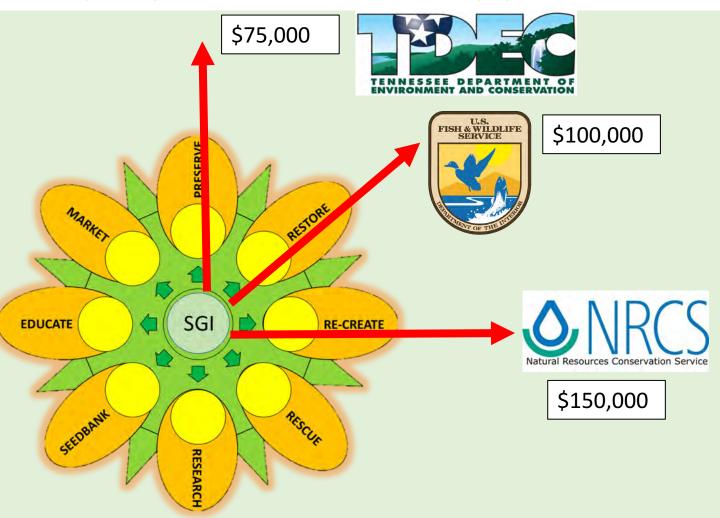


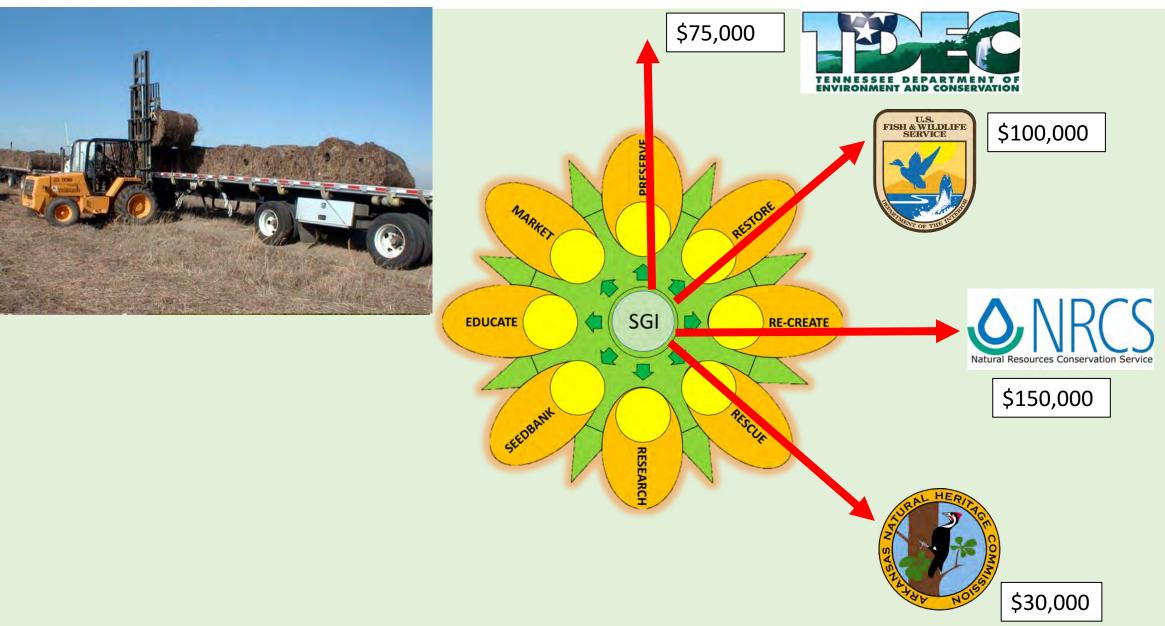


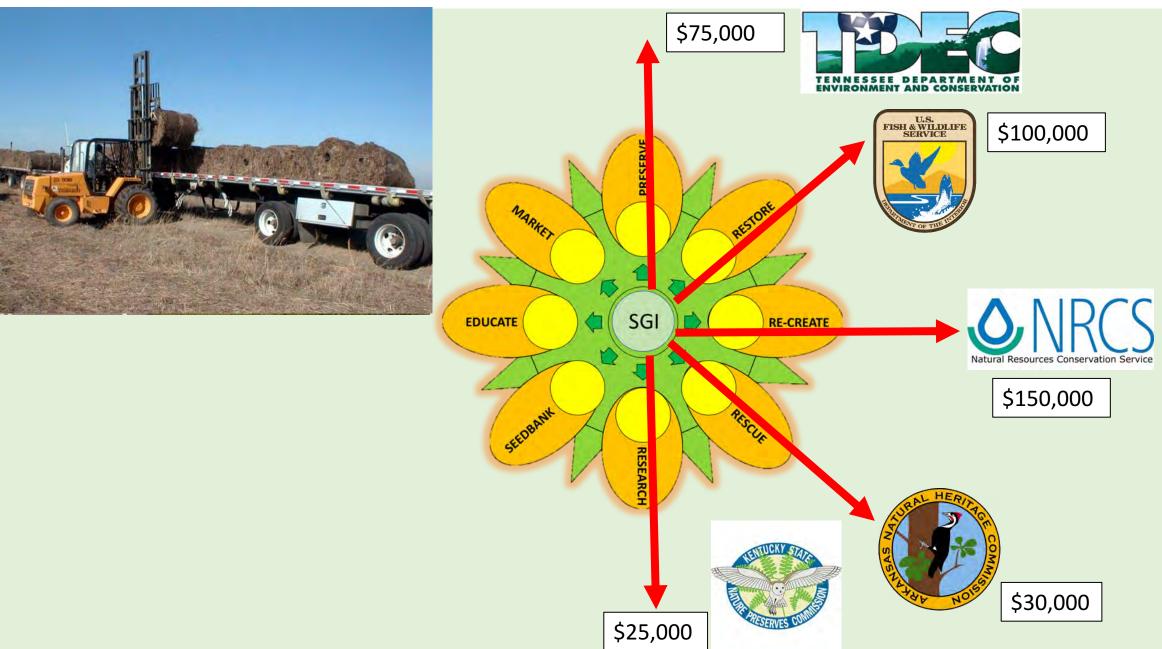


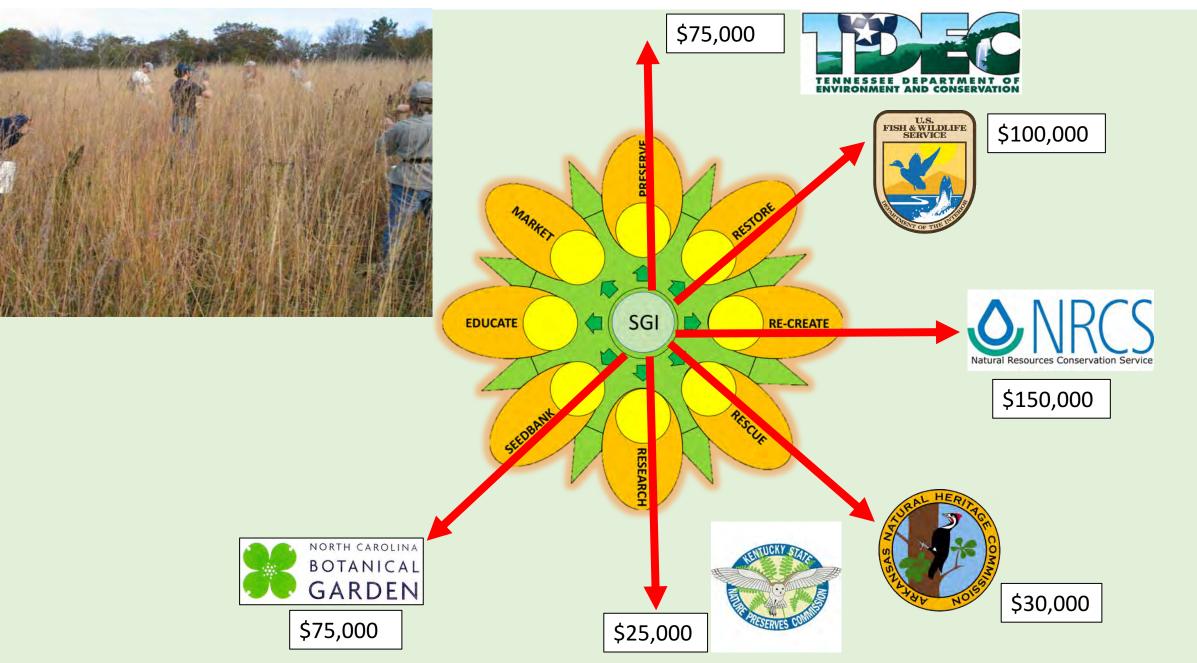






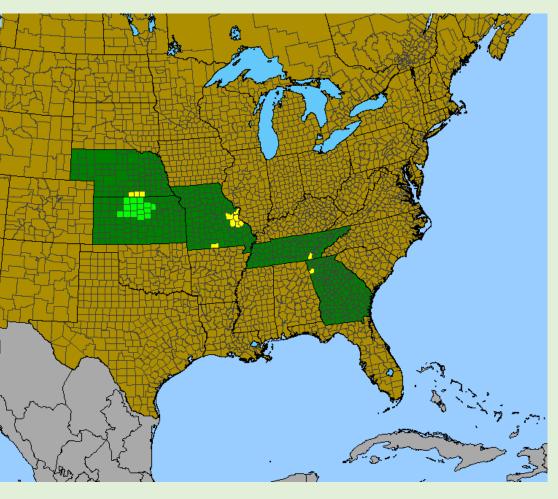




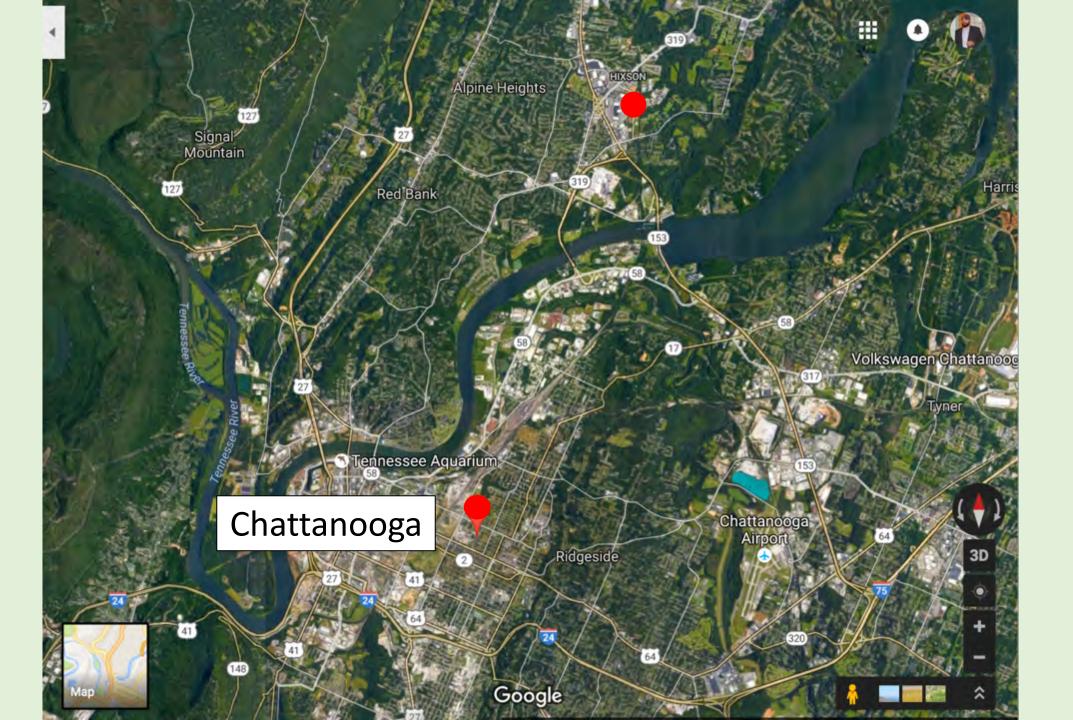


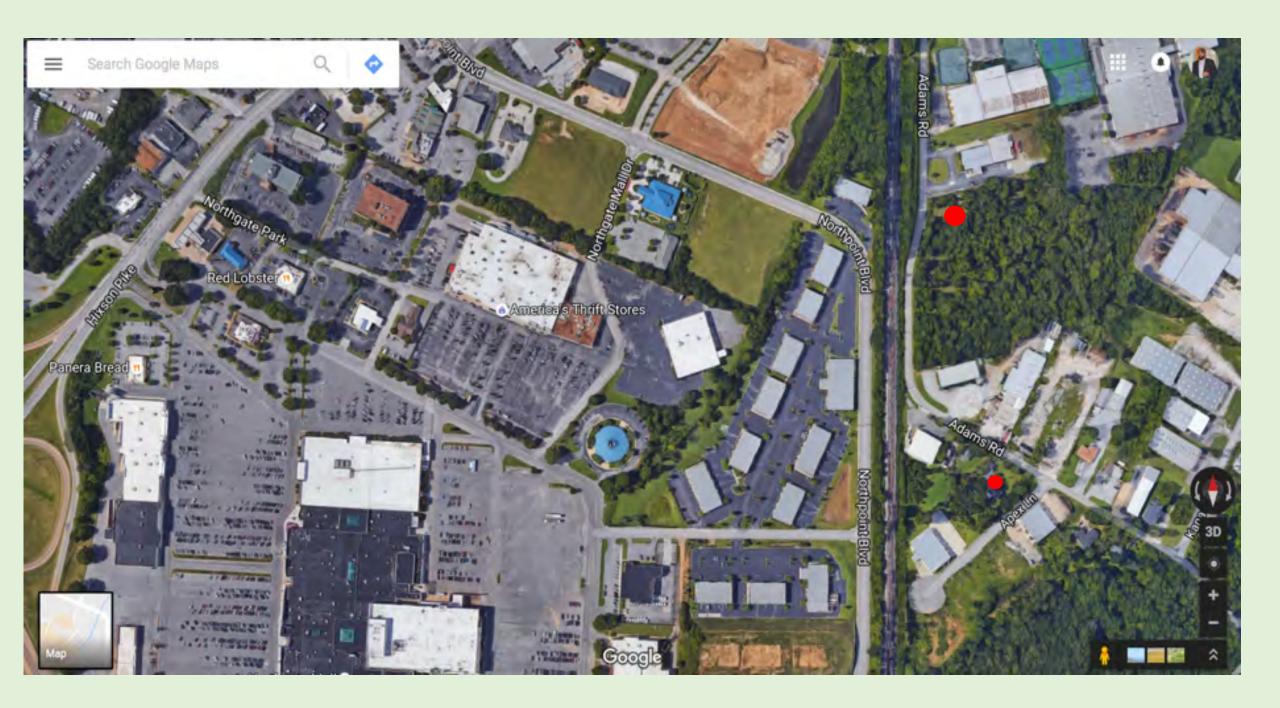
Seedbanking Urgently Needed

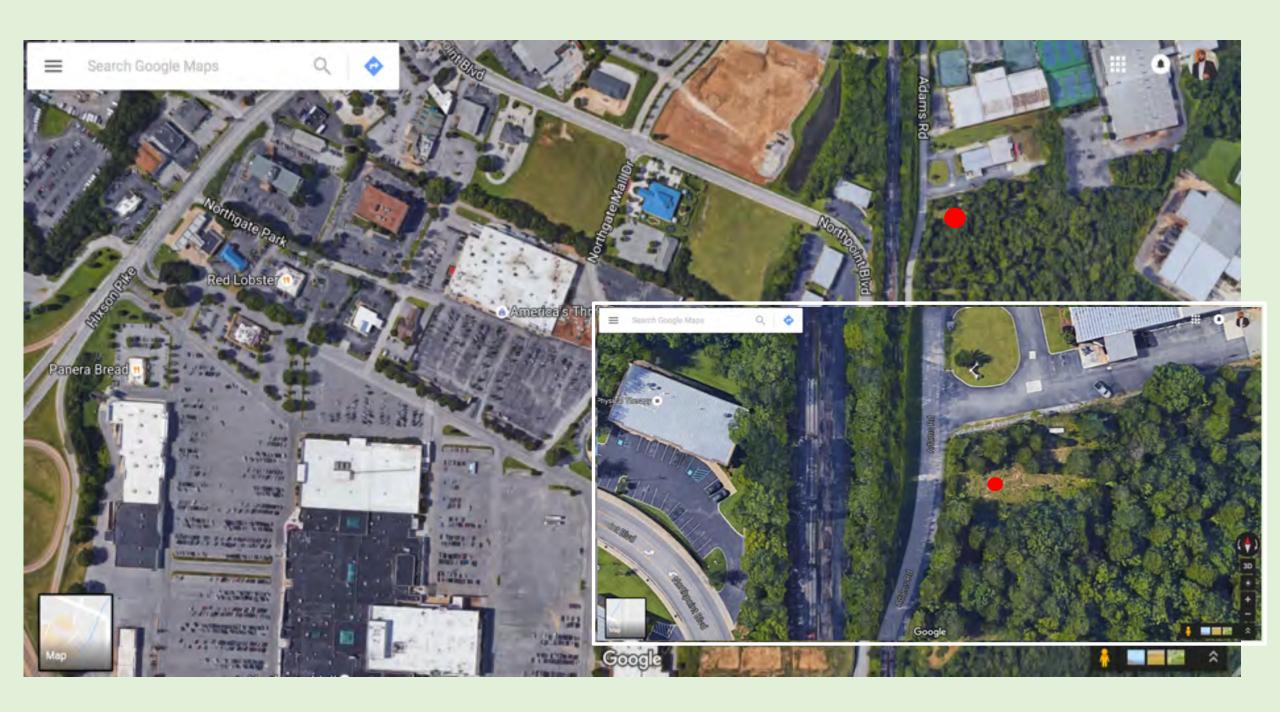
Rare Species

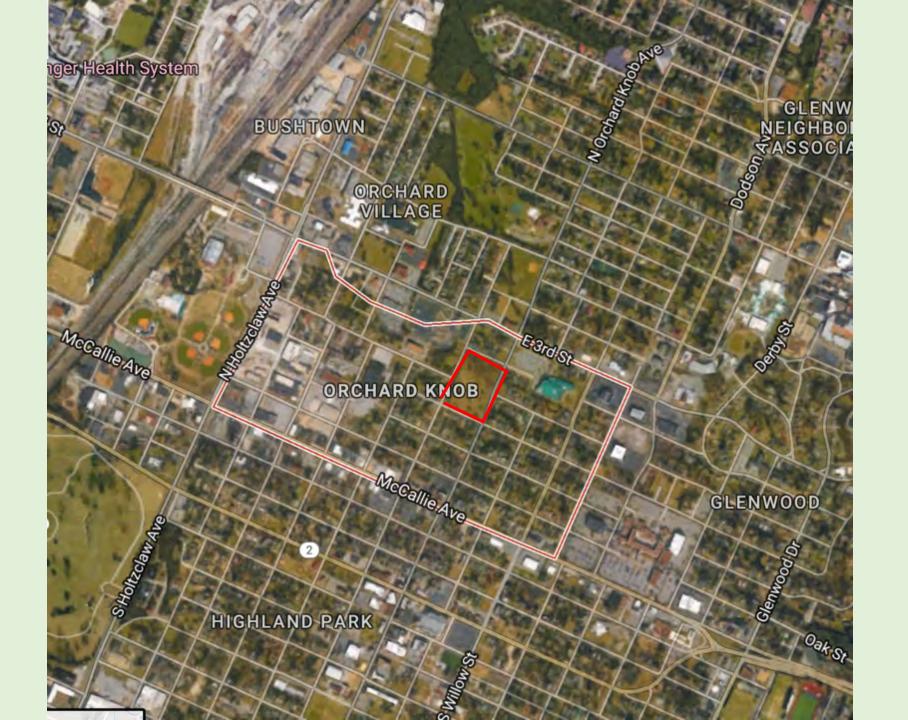


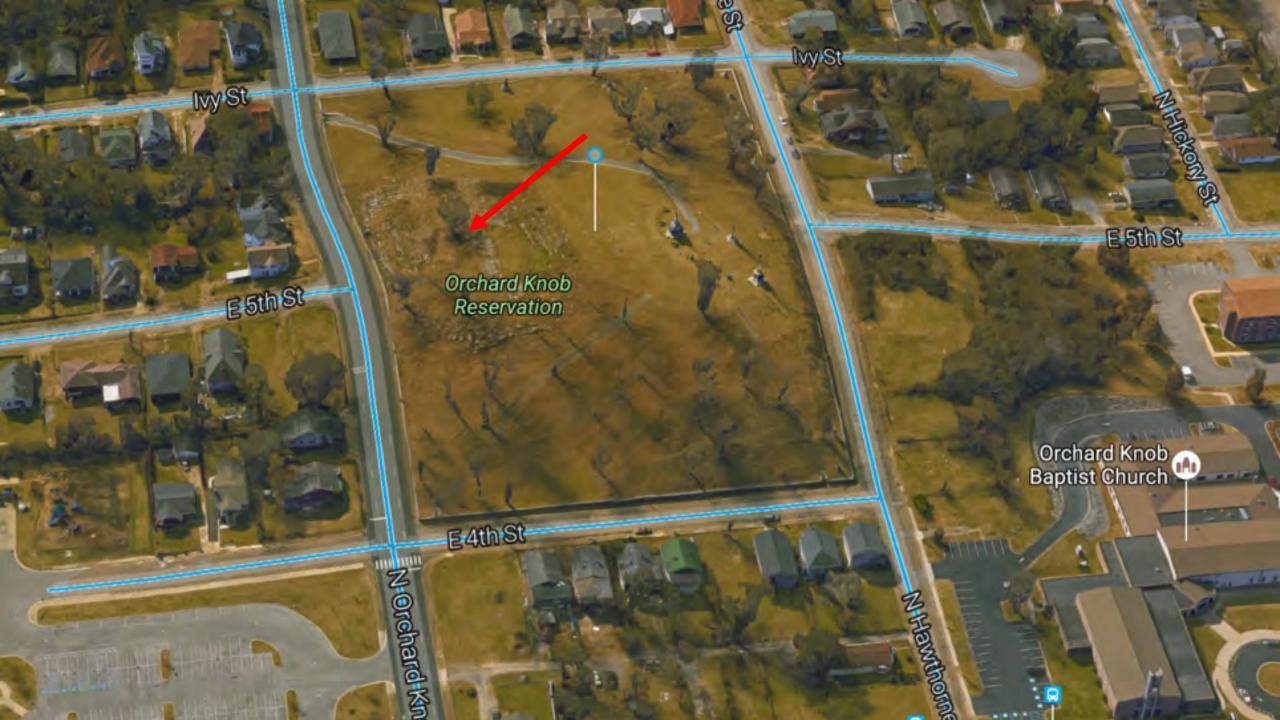










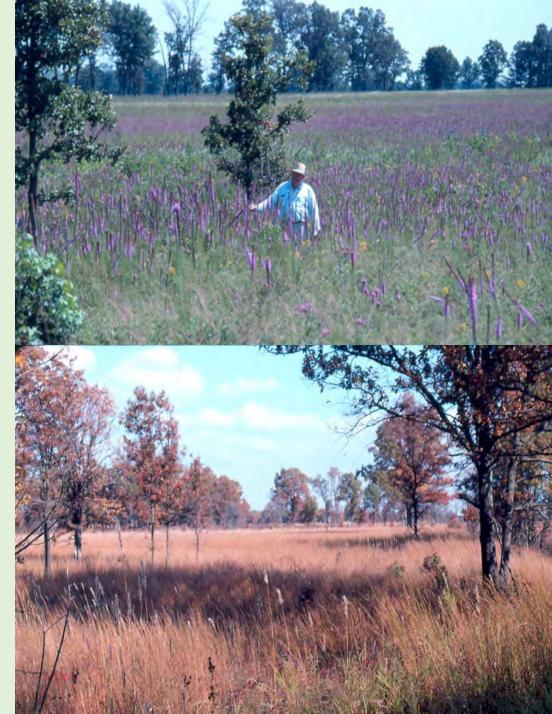


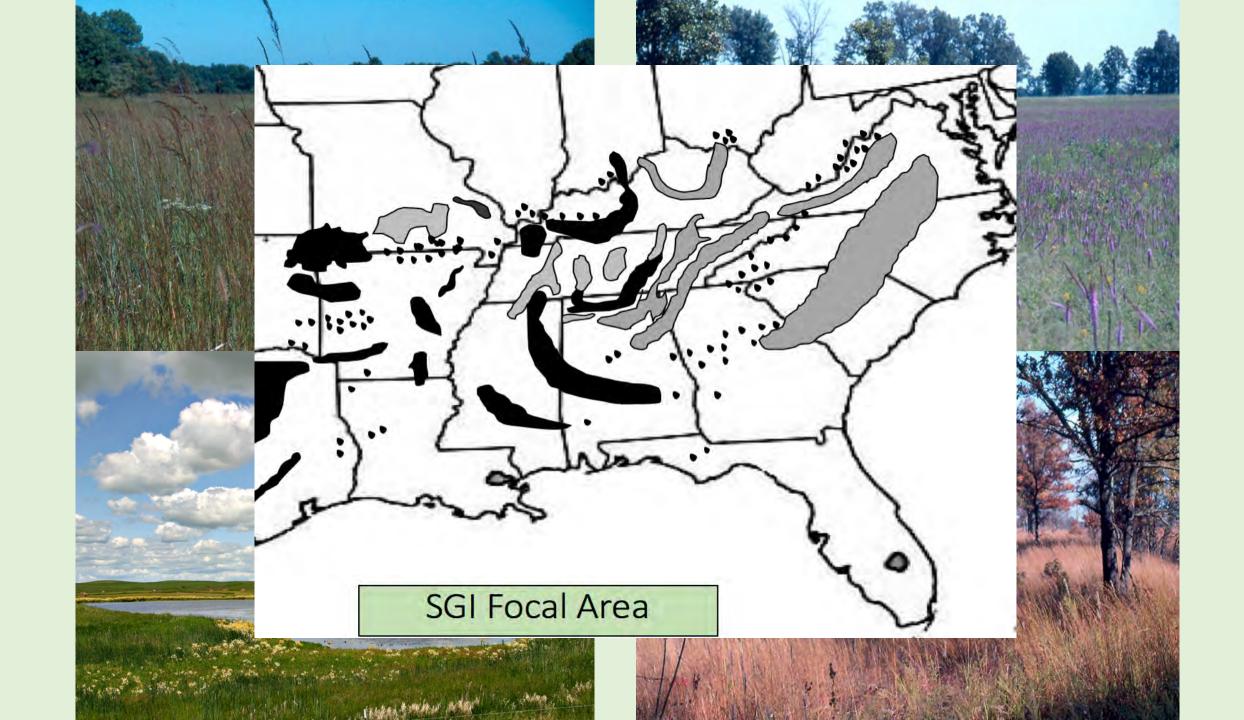


Ecosystem Reconstruction – Can we go back?

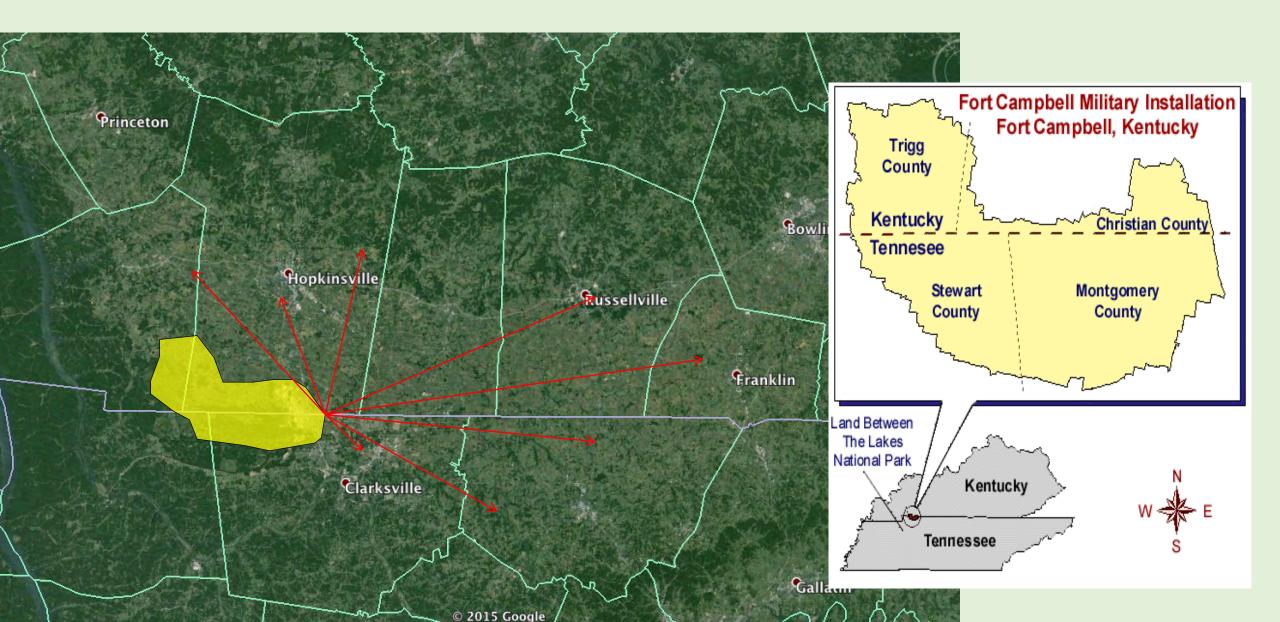








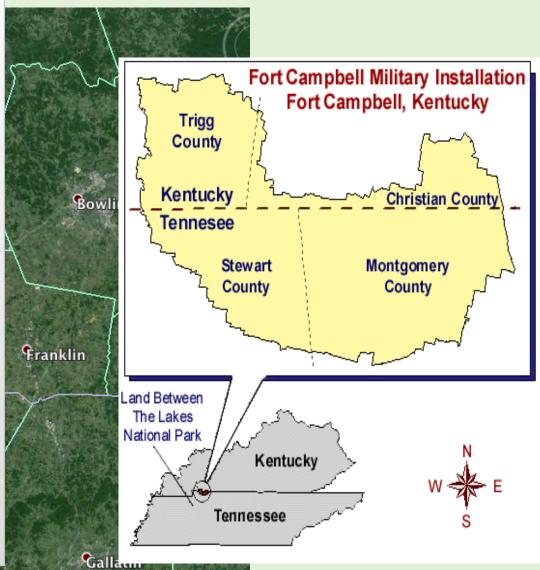
Rebuilding A Forgotten Ecosystem



Grassland Flora of the Pennyroyal Plain WETLAND SHRUB **UPLAND SHRUI** 1% 4% WETLAND **GRAMINOID** 12% WOODLAND GRAMINOID 3% DRY FORB 38% MESIC GRAMINOID 6% DRY GRAMINOID 7% **WOODLAND FORB** 8% **MESIC FORB WETLAND FORB** 8% 13%

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en Ecosystem

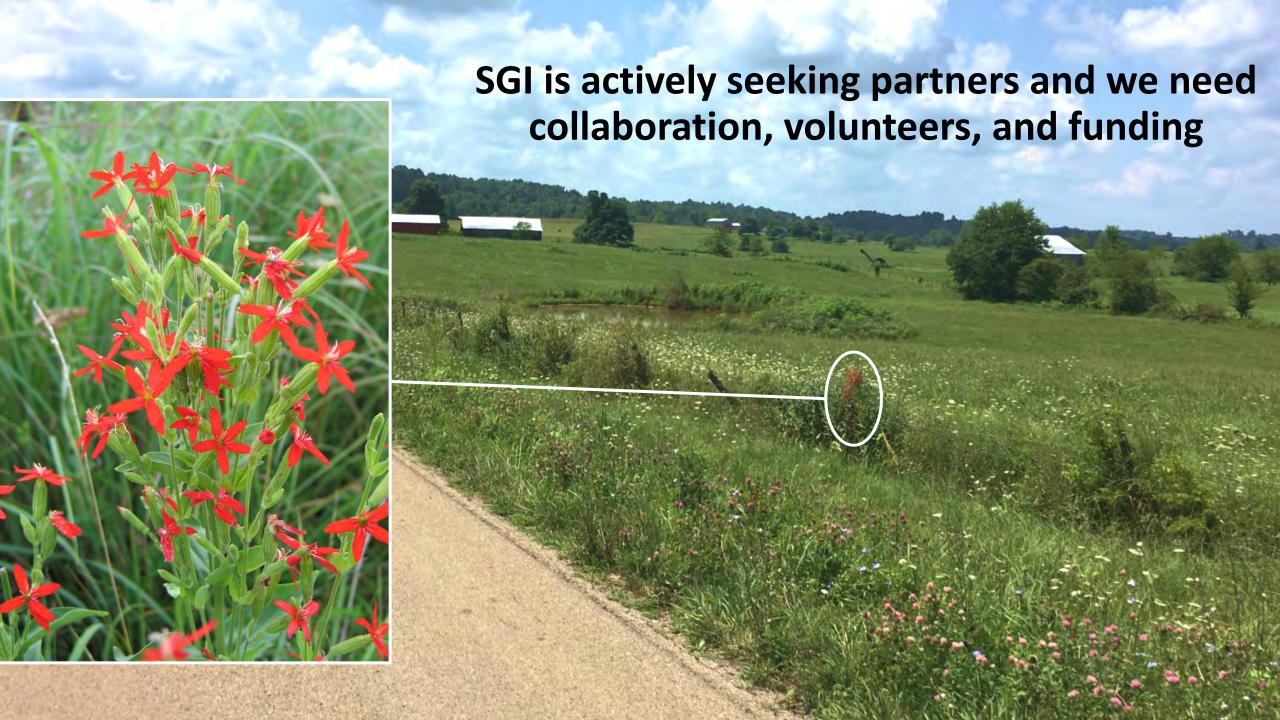


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The preceding presentation was delivered at the

2017 National Native Seed Conference

Washington, D.C. February 13-16, 2017

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