

# Reptiles, Plants, and Birds, Oh My!

How Planners Can  
Balance Development  
and Species  
Protection

Krisztian Varsa,  
Athens Land Trust

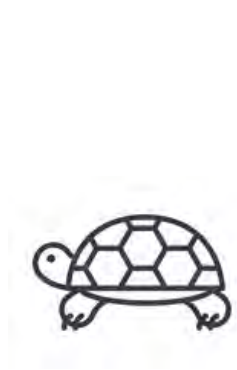
Charles McMillan,  
Georgia Conservancy

Jennifer Ceska,  
State Botanical Garden of  
Georgia

Neil Fleckenstein,  
Tall Timbers



1. Why?
2. How?
3. What?



*Gopher  
Tortoise*



*Longleaf  
Pine*



*Outdoor  
Recreation*

1. Why?
2. How?
3. What?

Ecological

Economic



*Gopher  
Tortoise*



*Longleaf  
Pine*



*Outdoor  
Recreation*

1. Why?
2. How?
3. What?

## Ecological

## Economic

Available Habitat



Available Housing

Water & Air



Recreation Space

Biodiversity

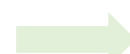


Tax Revenue

Tree Cover



*Longleaf  
Pine*



City Infrastructure

Species protection & endangerment  
have implications for both.

1. Why?
2. How?
3. What?

## Regulatory Steps

Habitat Conservation Plans

Hunting/Fishing Permits

Siting & Construction Permits

## Development Delays

**GOPHER TORTOISES COULD DELAY YOUR NEXT LAND DEVELOPMENT PROJECT**

Will Long-Eared Bats cause problems or delays for your construction project?

## Economic Opportunities!

**IN GEORGIA OUTDOOR RECREATION GENERATES:**

**\$27.3 BILLION**  
IN CONSUMER SPENDING ANNUALLY



**238,000**  
DIRECT JOBS



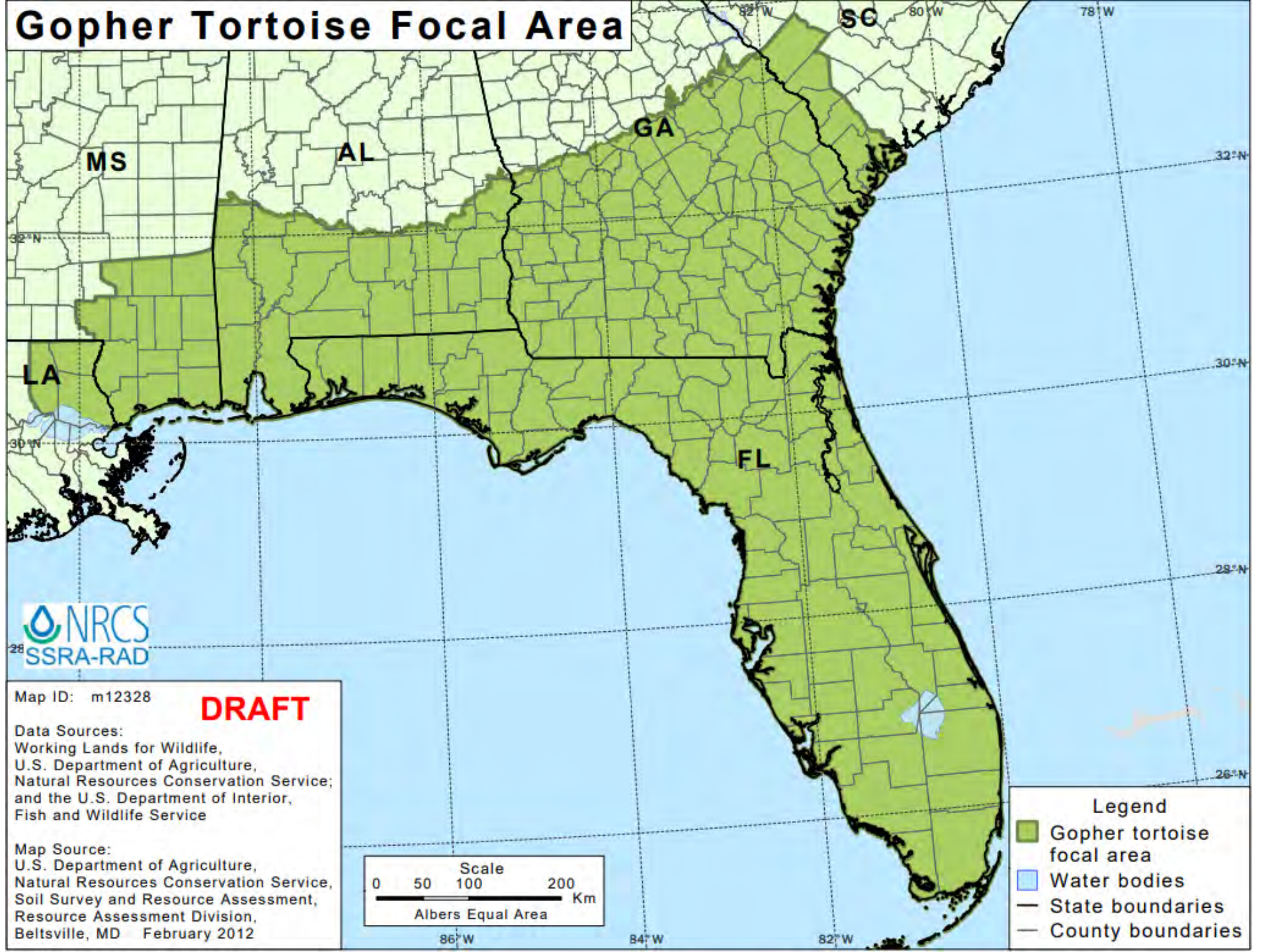
**\$8.1 BILLION**  
IN WAGES AND SALARIES



**\$1.8 BILLION**  
IN STATE AND LOCAL TAX REVENUE



1. Why?
2. How?
3. What?

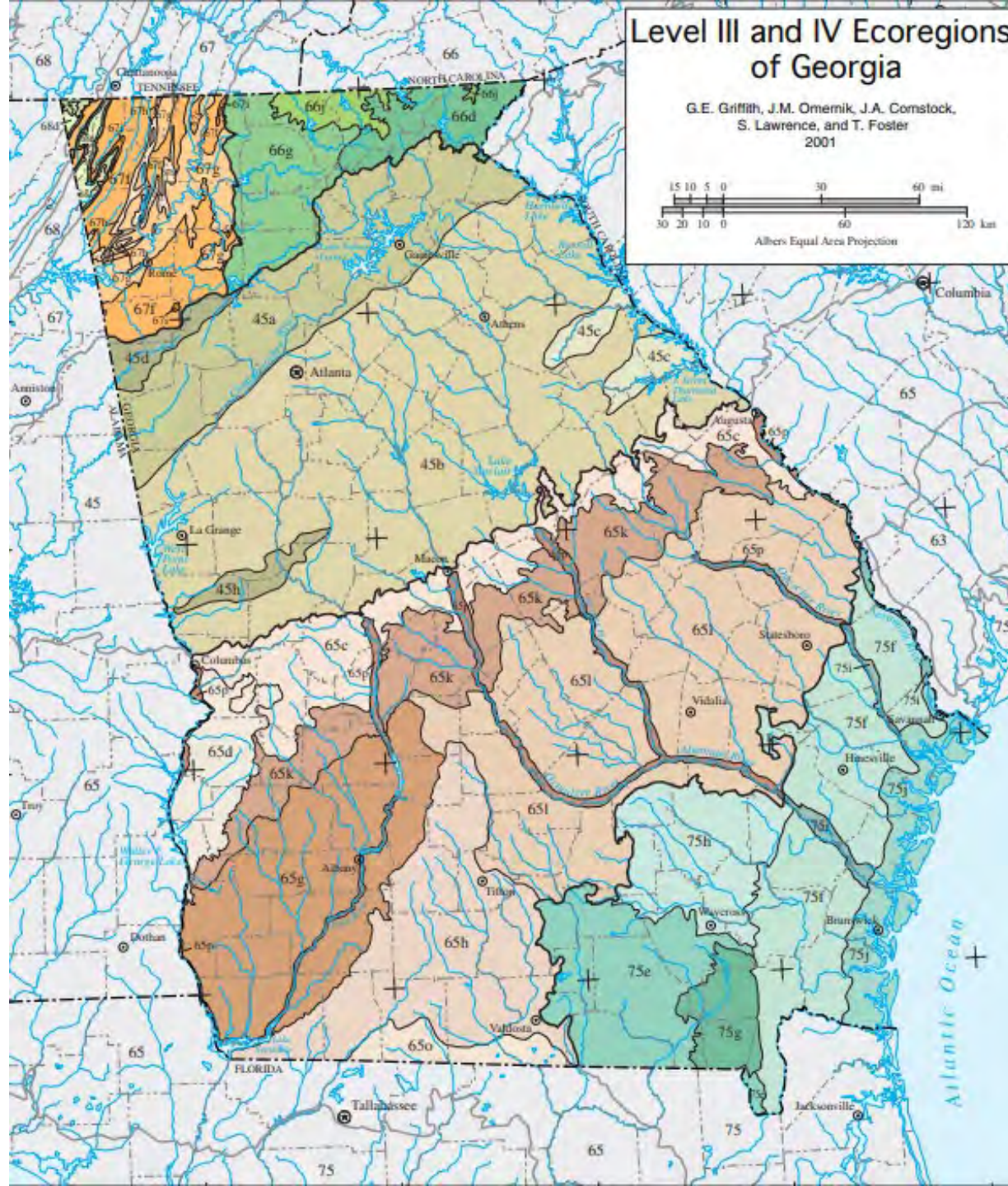


1. Why?
2. How?
3. What?

Good relationships	Good policy	Awareness & timeliness
Governmental (DNR, EPD, FWS)	Appropriate regulation for Endangered Species	Keeping current on issues facing endangered and keystone species
Statewide & local nonprofits (Georgia Conservancy, UGA, local land trusts)	Creative land use, zoning, and building codes	Acting early helps preparations and avoids hurdles
State and local policymakers	Support for outdoor economy	
National interests		

Wildlife should be considered an opportunity rather than a hindrance.

1. Why?
2. How?
3. What?



# State Wildlife Action Plan

High Priority Species  
High Priority Habitats  
Ecological Framework for Entire State

Inter-agency Coordination  
Regional Conservation Partnerships  
Reducing Development Impacts

among others

Level III & Level IV Ecoregions for Georgia.

GPA  
FALL 2019



1. Why?
2. How?
3. What?

## Questions to ask yourself:

How can planners weave conservation and biodiversity into daily work without sacrificing economic growth?

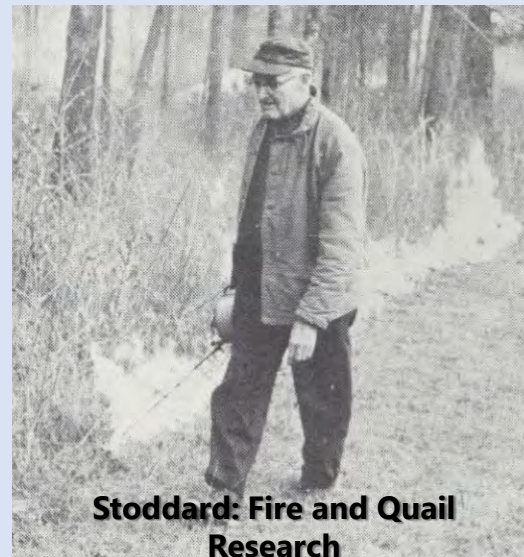
How does what we plan for affect what's downstream?  
How are our plans affected by what's upstream?

How can planners design cities to mirror ecological frameworks and utilize that for economic success?

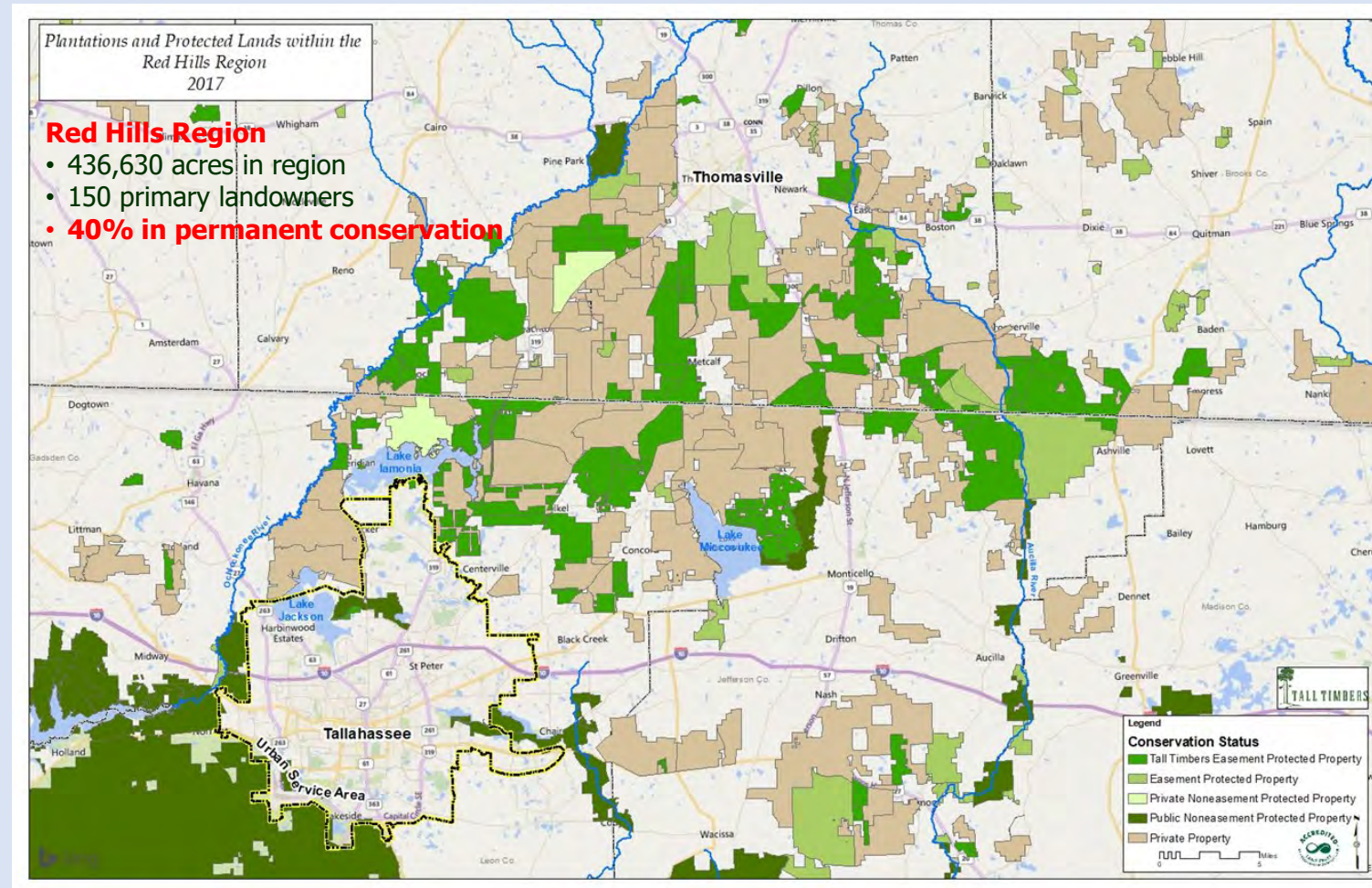
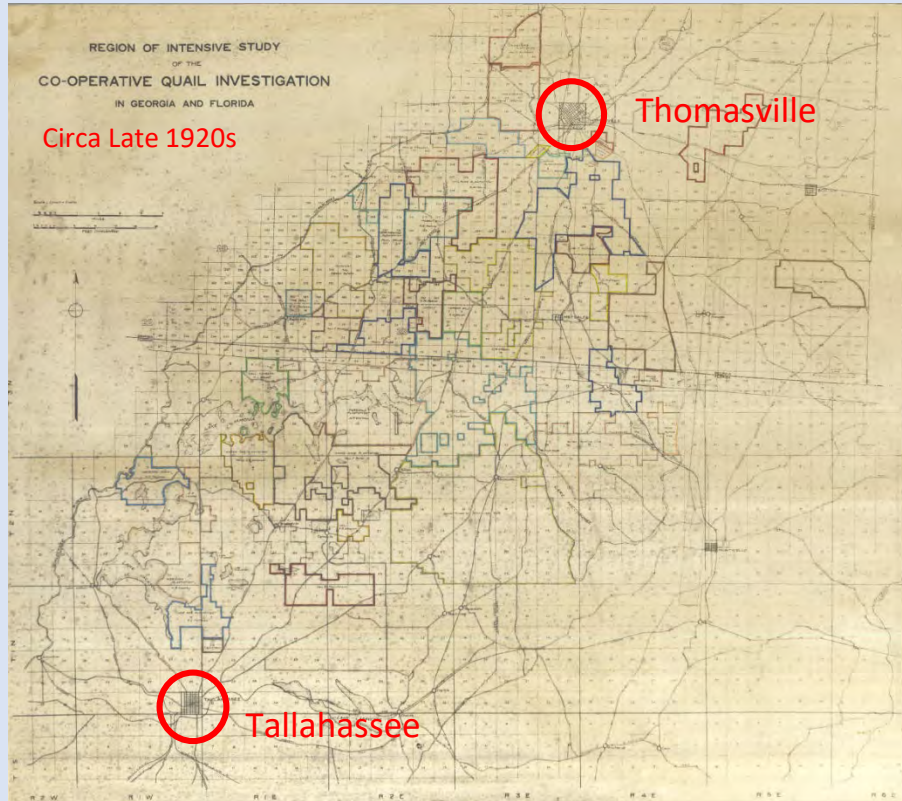
# The intersection of quail, land conservation, land use planning, and economics



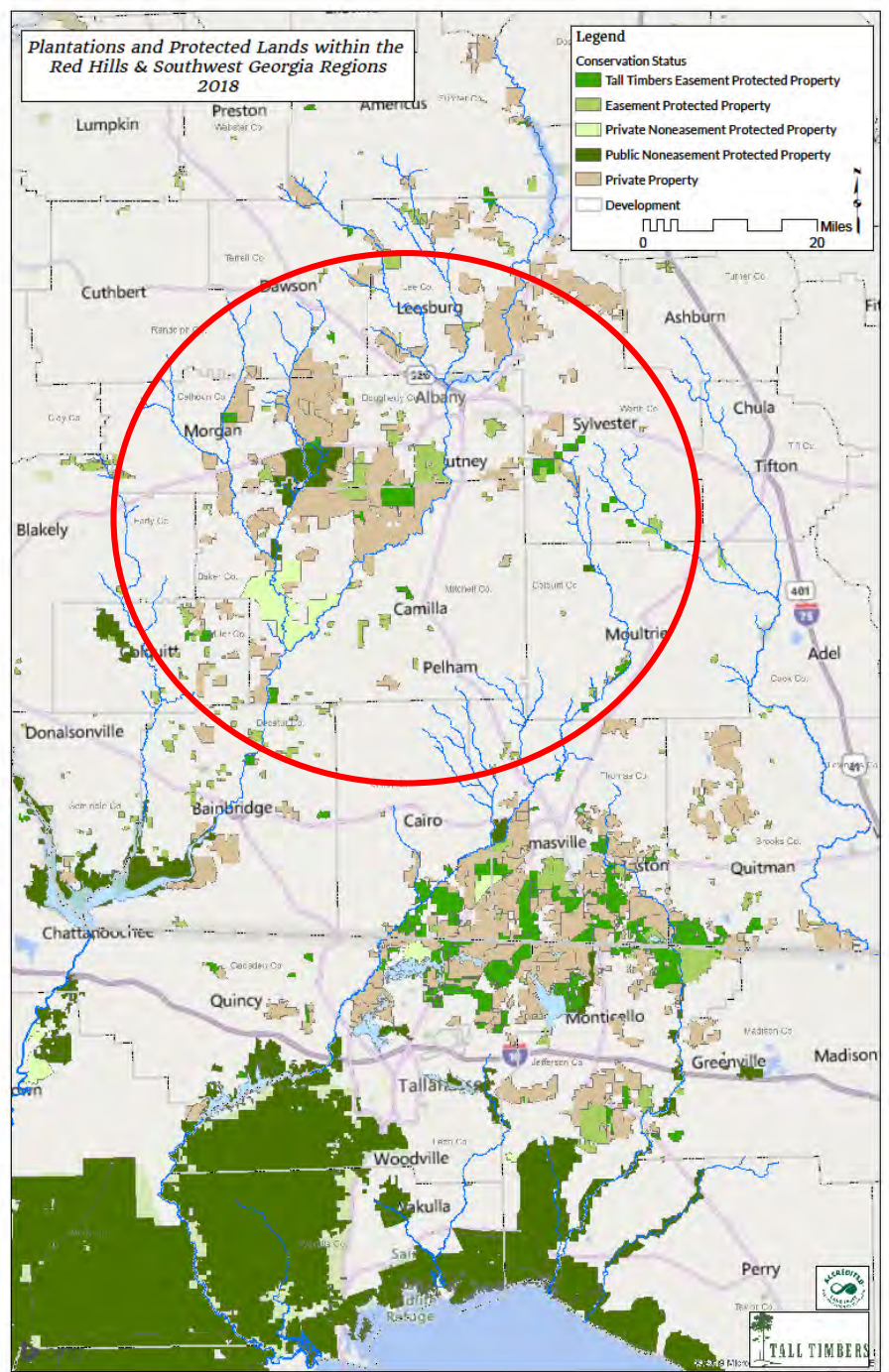
# 1 minute history of the Red Hills



# The Red Hills: One of Tall Timbers' primary conservation focal areas



# Albany quail hunting region: Another Tall Timbers' conservation focal area



# Land use planning and advocacy efforts help us conserve the Red Hills region

## Comprehensive/Community Planning

Cascades Park (Blueprint 2000 project)



## Ordinance development



Commercial chicken houses (protection of water resources)

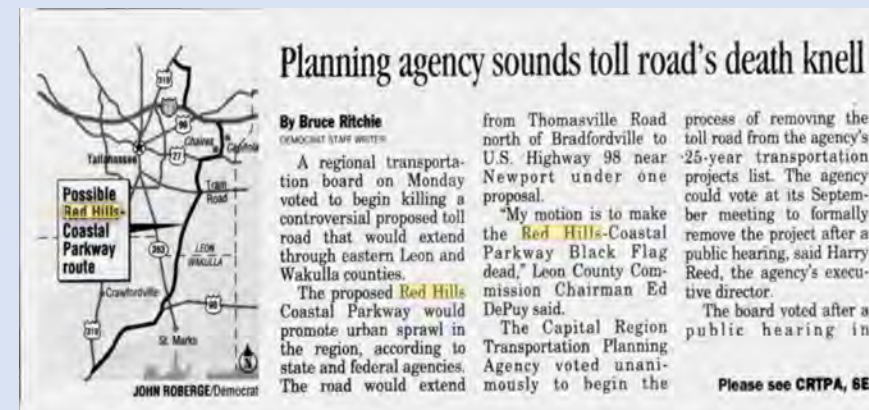
## Transportation planning



Thomasville Comprehensive Plan Update



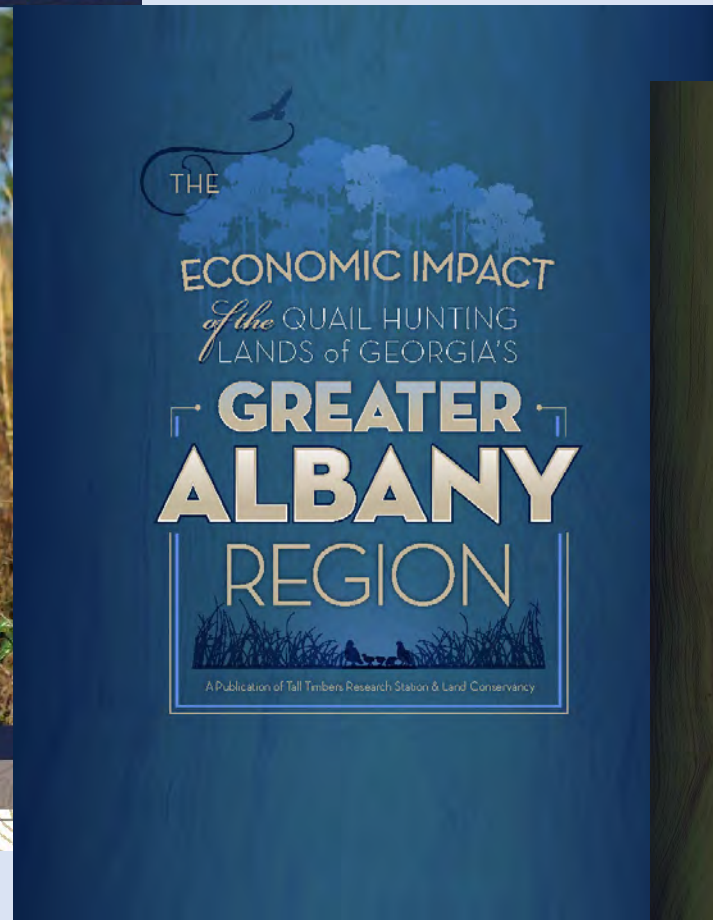
## Utility-scale solar facilities



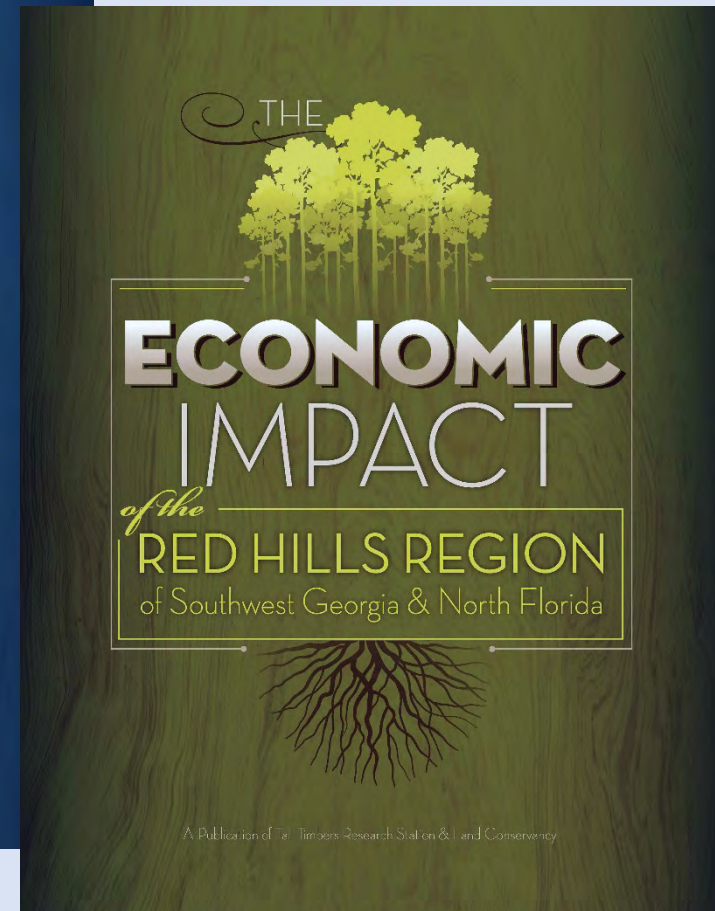
# Educating the public and elected officials about the economic impact of working rural lands builds support for their conservation



2018



2014



2013

# 2018 Red Hills Quail Lands Economic Impact Analysis: **Survey**

- ~111 land owners
- ~136 properties
- Average size: 3,000 acres
- 407,000 total acres
- Owners of **75%** of quail hunting acreage in the Red Hills completed the survey (> 306,000 acres in the Red Hills)
- Peer assistance/outreach crucial
- Partnered with FSU Center for Economic Forecasting & Analysis



## Red Hills 2018 Recreational Hunting Lands Economic Impact Survey

Just a reminder, if a landowner owns more than one working rural property in the region, we would like information on **all** of those properties. For example, if a landowner owns a 750-acre Red Hills hunting property and a separate 250-acre pecan grove in the Red Hills, we would like information on **both** properties. We encourage you to combine information about more than one property on one survey. We have provided additional space on each question to accommodate responses for more than one Red Hills property. Alternatively, you can complete a separate survey for each property if that would be easier for you.

1. What is the approximate total acreage of the property(s)?

	Total acreage:
Property 1	
Property 2 (If applicable)	
Property 3 (If applicable)	
Property 4 (If applicable)	

2. In which Red Hills county is the property located? If the property is located in more than one county, please estimate the acreage in each county.

	Total acreage:						
	Brooks	Gadsden	Grady	Jefferson	Leon	Madison	Thomas
Property 1							
Property 2 (If applicable)							
Property 3 (If applicable)							
Property 4 (If applicable)							

3. What are the most recent year's total cash operating expenditures (excluding depreciation) for the property(s)? Include typical operating expenses such as payroll; insurance; taxes; all housing and building maintenance and repair (including all buildings on site); utilities; all land management costs for agricultural activities and hunting (quail, dove, turkey, duck, etc.); fuel; vehicle and equipment maintenance; feed and seed; fertilizer; animal expenditures (dogs, horses, etc.); legal and accounting services; other consultants; contract help; etc. You need only provide the final figure, not all line items. This does not include capital expenditures, which are asked for in question 5.

	Total cash operating expenditures for the most recent year available:
Property 1	\$
Property 2 (If applicable)	\$
Property 3 (If applicable)	\$
Property 4 (If applicable)	\$

4. Estimate the percentage of the property's most recent year's total cash operating expenditures spent in the Red Hills counties below. We know this is a very challenging question. We are only seeking an estimate or best guess as to the proportion of the total cash operating expenditures spent in the following Red Hills counties:

	Proportion of total cash operating expenditures spent in Red Hills counties						
	Brooks	Gadsden	Grady	Jefferson	Leon	Madison	Thomas
Property 1	%	%	%	%	%	%	%
Property 2 (If applicable)	%	%	%	%	%	%	%
Property 3 (If applicable)	%	%	%	%	%	%	%
Property 4 (If applicable)	%	%	%	%	%	%	%



# Red Hills Quail Lands Survey asked about:

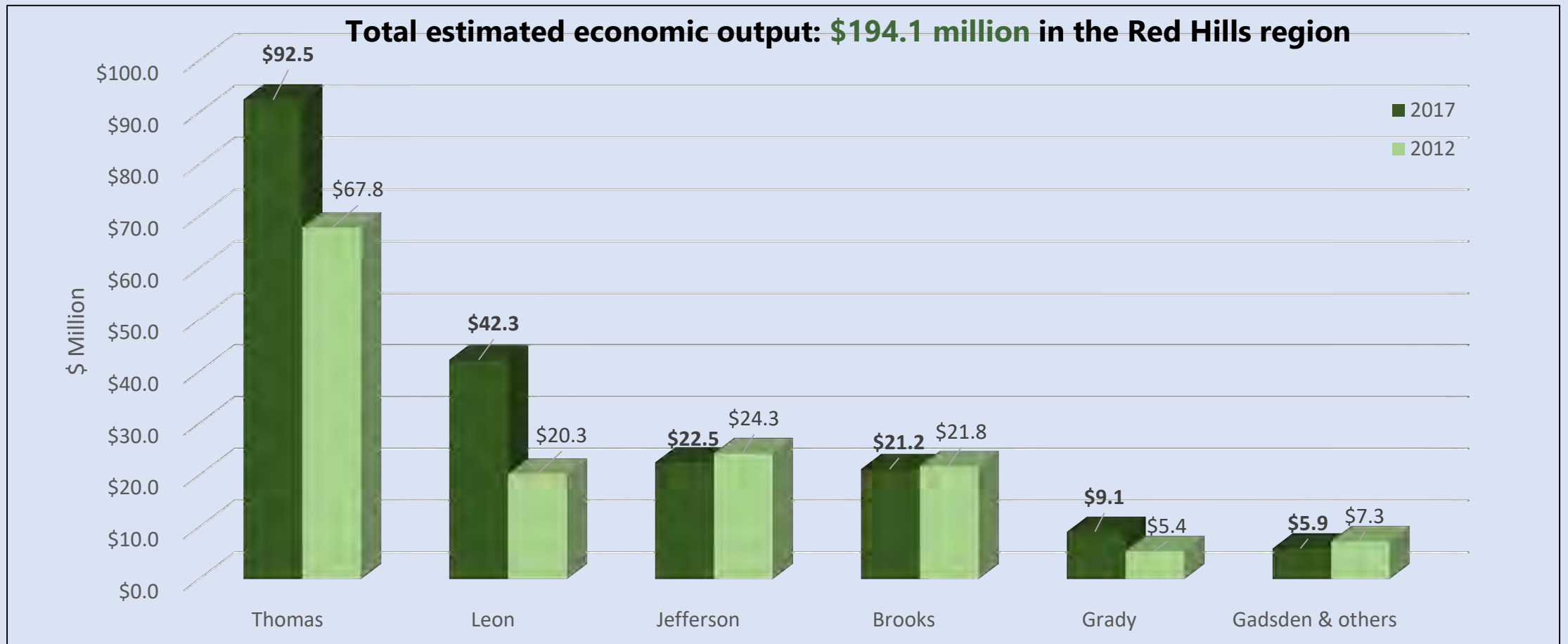
- **Operating costs:** Payroll, housing and building maintenance, land management costs, vehicle and equipment maintenance, feed and seed, animal expenditures, professional services . . .
- **Capital Improvement costs:** construction projects (construction of houses, barns, offices, etc.), purchases of equipment and work vehicles (tractors, frontend loaders, work trucks, etc.), and infrastructure projects (roads, fencing, wells, etc.). .
- **Discretionary and charitable spending**
- **Land management**



# Red Hills Quail Lands Economic Impact Analysis: *Regional Results*

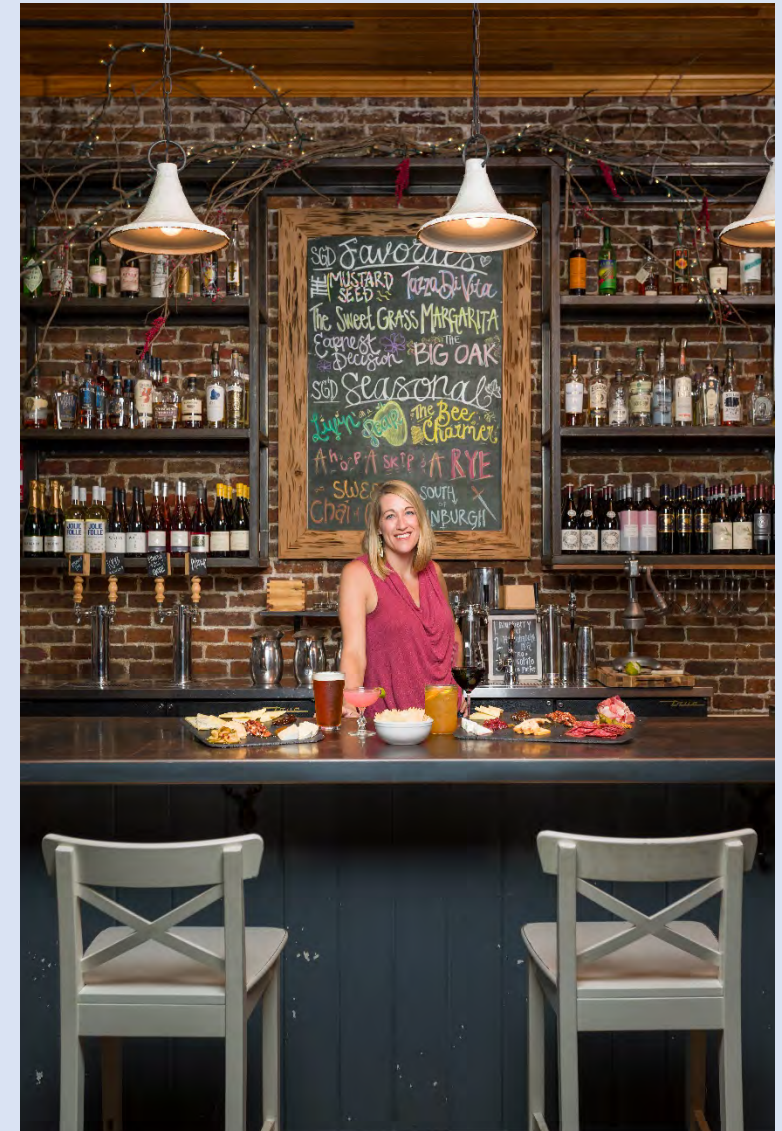
Red Hills Region Quail Lands Economic & Employment Results	2018 Study	Change since 2013 Study
Total Economic Impact	\$194.1 million	↑ 32 percent increase
Total Labor Income	\$83.9 million	↑ 63 percent increase
Charitable giving in the Red Hills	\$11.5 million	↑ 15 percent increase
Total Jobs	1,725	↑ 21.6 percent increase
Estimated number of quail hunters flying into Thomasville Regional Airport, Nov 2017 through Feb 2018	6,700 (95% of passenger traffic)	NA

# Red Hills Quail Lands Economic Impact Analysis: *Regional Results*



# Red Hills Quail Lands Economic Impact Analysis: Thomas County

Thomas County	2018 Study	2013 Study
Economic impact of working quail lands	\$92.5 million	\$67.8 million
Total labor income	\$41.2 million	\$23.6 million
Employment	777	654
Red Hills Fact	The economic impact of hunting lands in Thomas County increased by 36% between 2013 and 2018 study.	



Jessica Little, Sweet Grass Cheese Shop

RED HILLS QUAIL HUNTING LANDS

# CREATE JOBS & SUPPORT LOCAL BUSINESSES



**\$194.1 MILLION**

ECONOMIC IMPACT OF RED HILLS QUAIL LANDS IN 2017



32% INCREASE SINCE 2012



**1,725 JOBS**

INCLUDING > 1,000 DIRECT JOBS IN 2017



21.6% INCREASE SINCE 2012



**\$83.9 MILLION**

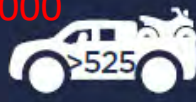
LABOR INCOME GENERATED IN 2017



63% INCREASE SINCE 2012



~\$100,000



NUMBER OF TRACTORS AND OTHER HEAVY MACHINERY LOCALLY PURCHASED/LEASED AND SERVICED

NUMBER OF WORK TRUCKS AND ATVS LOCALLY PURCHASED AND SERVICED



NUMBER OF HUNTING DOGS, HORSES, AND MULES REQUIRING VETERINARY AND FARRIER CARE ON RED HILLS QUAIL LANDS



**\$118.2 MILLION**

DIRECT LOCAL INVESTMENT IN LAND MANAGEMENT GOODS & SERVICES, CONSTRUCTION ACTIVITIES, HEAVY EQUIPMENT, VEHICLES, MAINTENANCE, PROFESSIONAL SERVICES, HOSPITALITY, AND STAFFING



**95**

PERCENT OF FLIGHTS INTO THOMASVILLE REGIONAL AIRPORT RELATED TO QUAIL HUNTING, FROM NOVEMBER THROUGH FEBRUARY



**\$11.5 MILLION**

GIVING TO LOCAL CHARITIES IN 2017 BY RED HILLS QUAIL LAND OWNERS



**\$0.88**

FOR EVERY \$1.00 INVESTED IN A RED HILLS QUAIL HUNTING PROPERTY, AN ADDITIONAL \$0.88 IS GENERATED IN OTHER LOCAL BUSINESSES



# Preliminary figures from our 2019 Albany quail lands economic impact analysis

Albany Region Quail Lands Economic Analysis Results	2019 Study	2014 Study	Change since 2014 Study
Total Economic Impact	<b>\$165.8 million</b>	\$125 million	↑ <b>32.6%</b>
Total Labor Income	\$60.6 million	\$38.4 million	↑ 57.8%
Total Jobs	<b>1,190</b>	878	↑ <b>35.5%</b>

Figures are subject to change as analysis is finalized.



# Red Hills Economic Impact Analysis: Summary & Conclusions

- The working rural lands of the Red Hills region contribute significant economic impact (\$194 million) and job creation (1,700+ jobs) to local economies).
- These economic benefits are provided in conjunction with vital ecological benefits, including:
  - Recharging and cleaning our drinking water;
  - Controlling flooding;
  - Cooling urban areas;
  - Providing wildlife habitat and protect diversity;
  - Maintaining our capacity for local and regional agriculture (now and in the future);
  - Helping direct growth to urban areas where it is FAR cheaper to provide costly infrastructure and services.



# Questions?

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***Neil Fleckenstein, AICP***  
***Planning Coordinator***  
***Tall Timbers***  
***Neil@talltimbers.org***  
***850-893-4153, x335***





# Jennifer Ceska

## Conservation Coordinator



State Botanical Garden  
of Georgia  
UNIVERSITY OF GEORGIA

**SBG Science and Conservation Team:**

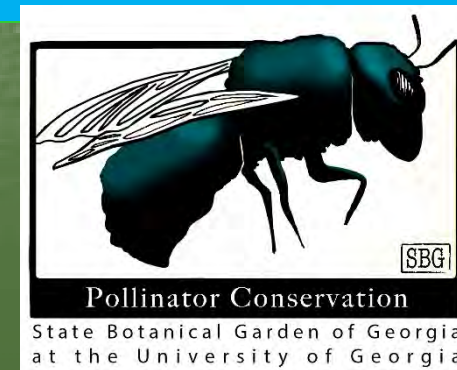
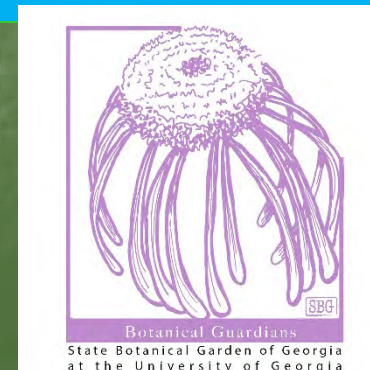
Dr. Jenny Cruse-Sanders, Director

**Dr. Jim Affolter, Director of Research**

Heather Alley, Conservation Horticulturist

**Linda Chafin, Conservation Botanist**

Will Rogers, Research Scientist





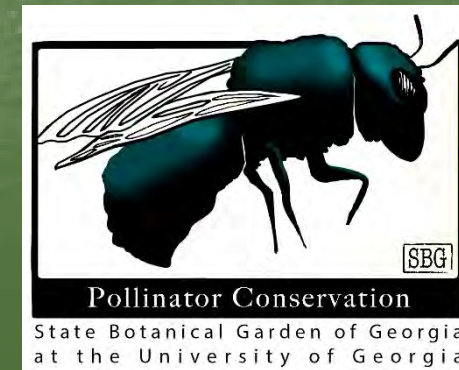
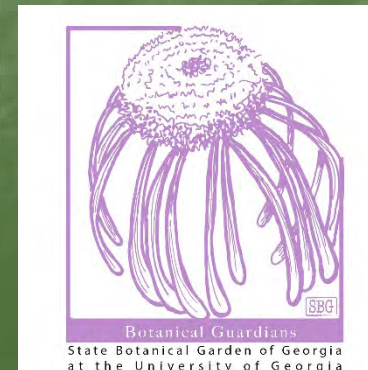
# Connect to Protect for Biodiversity



*State Botanical Garden  
of Georgia*  
UNIVERSITY OF GEORGIA

## From the built to the restored

## Reptiles, Birds, and **Plants** – Oh My!



OPTIMIST

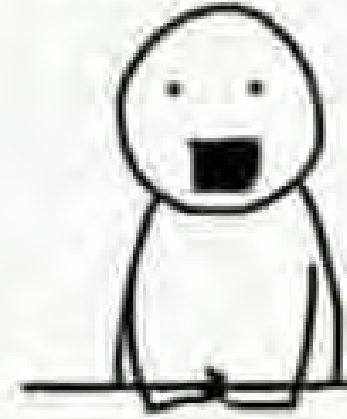
PESSIMIST

ME

Things  
couldn't  
be better

Things  
could  
be better

PLANTS



Wildflowers  
*By Patrick Ceska*



WHEN YOU SEE THE NEIGHBORS



SPRAYING THEIR DANDELIONS





We have  
impressive  
and valid  
reasons for  
using our  
native plants  
– reasons of  
the soul and  
pocketbook.

Ladybird  
Johnson



# Benefits of Natives

- Maintenance
  - Save Time
  - Save Money
- Save Water
- Pesticide Freedom
- Wildlife Viewing
- Aesthetics - Beautiful natural landscapes display authentic SE flora. Your garden can too.
- Education



# U.S. Drought Monitor

## Georgia

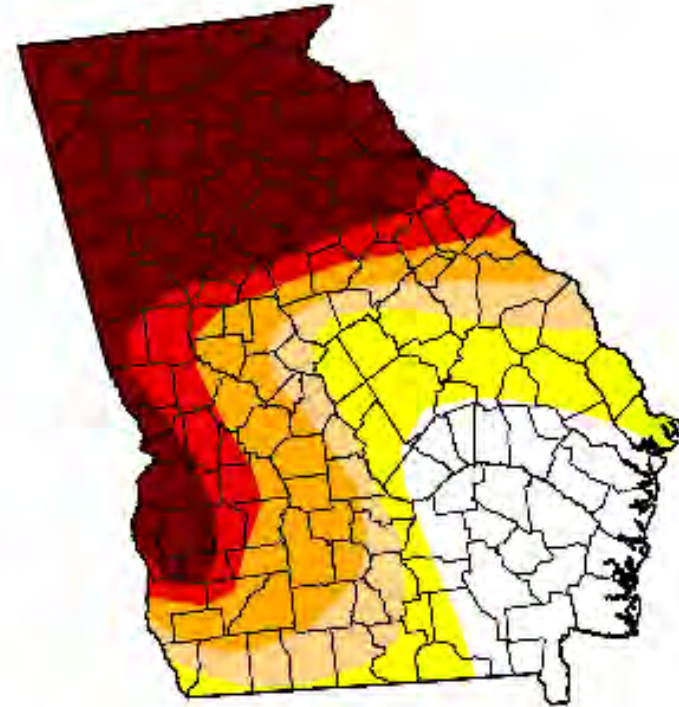
November 6, 2007

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	18.1	81.9	67.0	56.4	41.7	32.1
Last Week (10/30/2007 map)	18.1	81.9	67.0	56.4	41.7	32.1
3 Months Ago (08/14/2007 map)	0.0	100.0	85.7	67.8	52.3	26.9
Start of Calendar Year (01/02/2007 map)	12.2	87.8	3.7	0.1	0.0	0.0
Start of Water Year (10/02/2007 map)	24.2	75.8	64.2	52.6	39.4	27.0
One Year Ago (11/07/2006 map)	8.2	91.8	50.3	0.0	0.0	0.0

Intensity:



*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements*

<http://drought.unl.edu/dm>



Released Thursday, November 8, 2007

Author: Douglas Le Comte, CPC/NOAA

# "Plant Blindness"

Jess Willadson  
*Give Wildlife A Chance*  
*Poster Competition*  
*Winner*



State Botanical Garden  
of Georgia  
UNIVERSITY OF GEORGIA

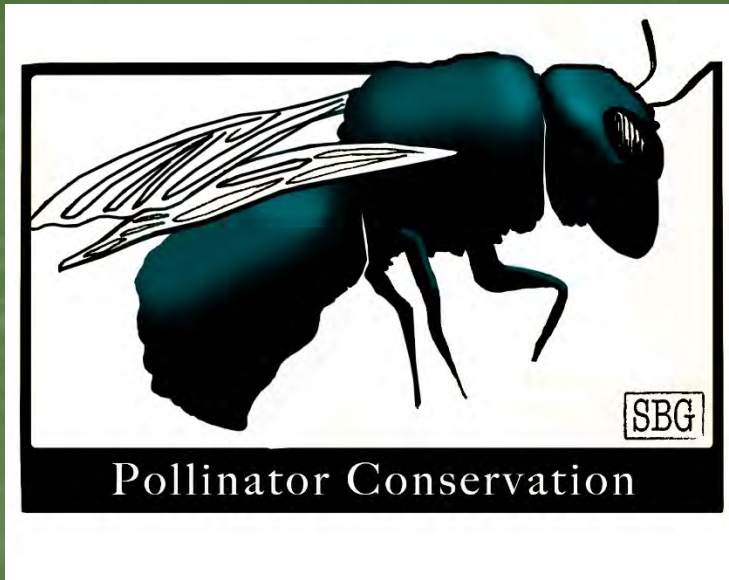
**How many of you  
watch song birds,  
hunt turkey or  
dove, have bird  
feeders?**











Connect to Protect  
for Biodiversity:  
From potted  
displays -



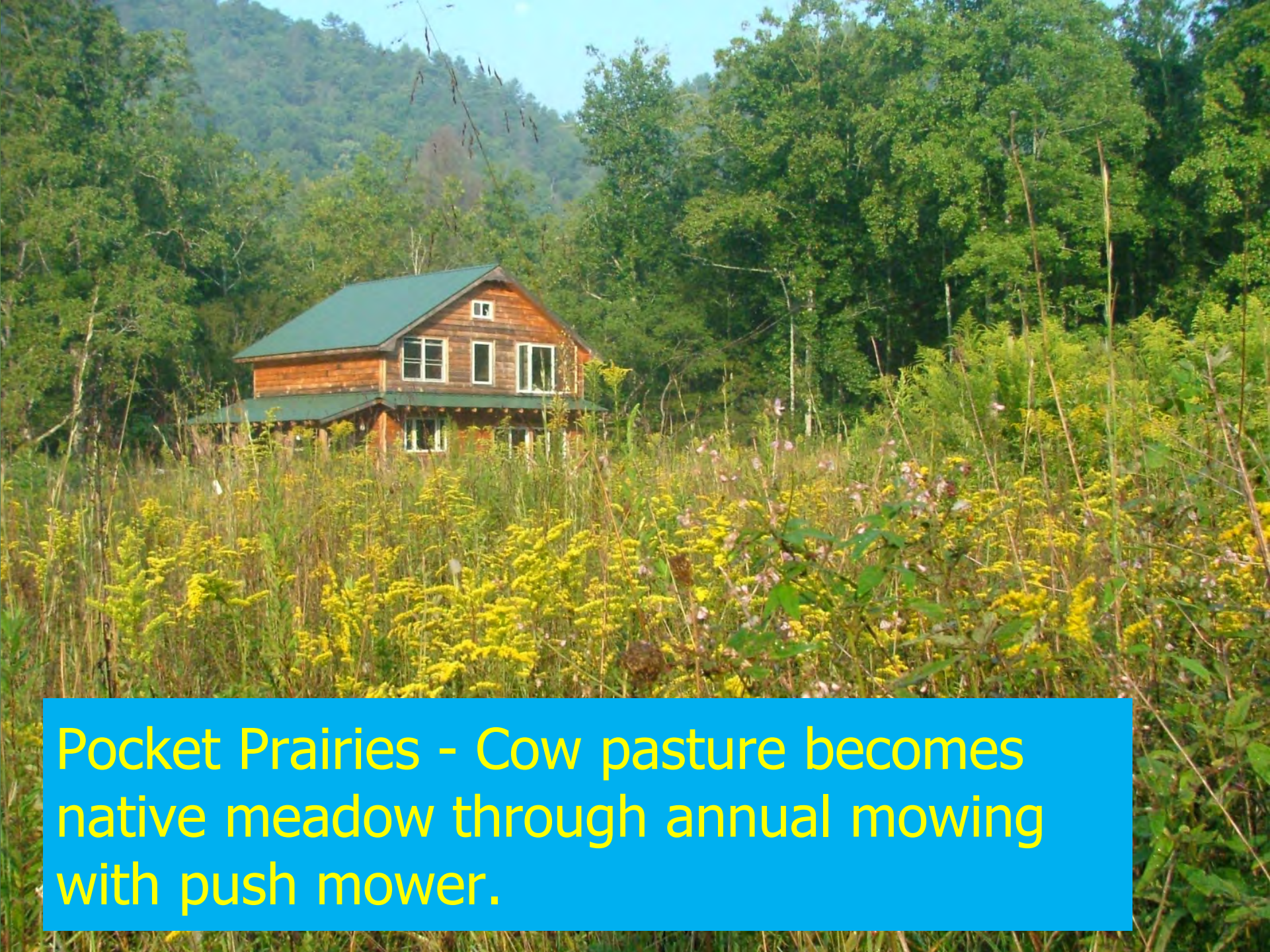
*State Botanical Garden  
of Georgia*  
**UNIVERSITY OF GEORGIA**







**The Fockele Garden Company – Gainesville, GA – Julie Evans' design, Atl home.**



Pocket Prairies - Cow pasture becomes native meadow through annual mowing with push mower.

# Incorporate natives into your garden



*State Botanical Garden  
of Georgia*  
**UNIVERSITY OF GEORGIA**



# Georgia Milkweed Initiative

Georgia Plant Conservation Alliance  
Georgia Native Plant Initiative  
Georgia Milkweed Initiative

- Large interest in *Asclepias* species
- Monarchs Across Georgia
- Federal migration corridor projects
- School gardens pollinator & caterpillar nursery gardens

Photo by Jennifer Ceska



Milkweed

*Asclepias tuberosa*

Got Georgia Milkweed? ❤️

Georgia Milkweed Initiative



Photos by Auburn University  
Bashira Chowdbury, Bee Biodiversity Initiative



Plant **Blueberries** ♥ and **Azaleas** ♥ for  
**Southeastern Blueberry Bees** – every  
Georgia garden, every Georgia landscape

## Sharing ROW management changes

- strategic mowing, demo areas
- roadside ecology; scenic roadways







Photo by Jeff Lewis many moons ago





# Macon-Bibb, Rosehill Cemetery Connect to Protect Garden 2015 – Our **FIRST** CtoP Ambassador Garden



Staff of the Macon-Bibb Parks and Beautification Department hold the new CtoP garden sign with Macon-Bibb Parks and Beautification Director Stephen Lawson (left, purple tie), Macon-Bibb County Mayor Robert Reichert (right, red tie), and State Botanical Garden Board Chairman Stephen Reichert (jacket, no tie).

Photo by Shannah Cahoe Montgomery



*Conradina verticillata*  
Cumberland Rosemary ❤️

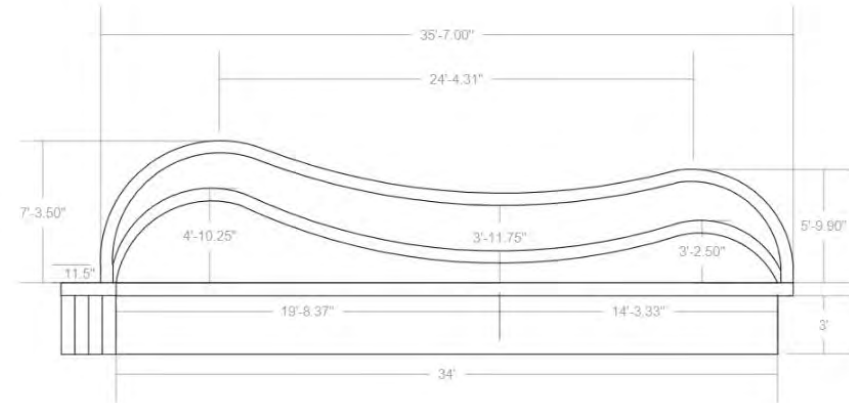
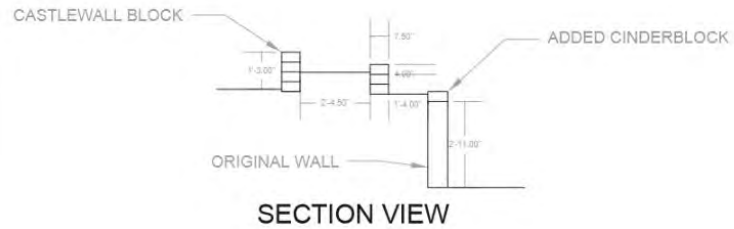
# Demonstration Bed SBG Mimsie Lanier Center for Native Plant Studies



## Connect to Protect Planting Bed

The planting bed designed requires 294 Castlewall Brick Units in order to construct both walls. Such units can be easily found at the nearest hardware, Lowes, or Home Depot Store. With proper installation, the garden bed will serve as a micro-habitat for pollinators and small animals to take shelter and feed in.

At current price, the amount of Units will cost 585.88 ( including 6% GA Sales Tax )



Stuart Johnson –  
Landscape Design



Connect to Protect – D.W. Brooks Mall, South Campus,  
UGA! 8-17-2017





# UGA South Campus



# Downtown Athens, Sponsored by Athens Clarke Co. Downtown Development Authority







Goldfinches  
documented in  
downtown Athens,  
GA in **fall 2018**  
after native  
wildflowers planted  
**November 2017.**



# CtoP with AMLI Residential Communities in Old Fourth Ward, Atl



Oconee Middle School 7<sup>th</sup> Grade  
Sponsored by UGA Office of Sustainability Intern  
Melissa Ray



# City of Chickamauga UGA Archway Partnership



G3/S1



# Jimmy Carter National Historic Site, Plains, Rosalynn Carter Butterfly Garden

Barbara and James,

When I attended a native plant meeting recently, Heather Alley spoke. Please see her email below and also the attached picture. **Both of you will remember** the brief article I wrote for the native plant Facebook page. I sent Heather the 17 photos and the article. Now she would like to include the memorial garden in Plains in Connect to Protect.

My guess is that Mrs. Carter would be pleased to be included, but I might be wrong. I myself like the idea that the state botanical garden may be a source for us of native plants for butterflies. Heather would need everyone's permission (NPS, Mrs. Carter, UGA Extension) before proceeding.

What do you think? Is this something to pursue?

Norris

*Barbara,*  
 *I would like for*  
*see the garden. How do*  
*we proceed?*  
Karan A Rawlins  
*K*  
*Out*

ream.net>, Karan A Rawlins <krawlins@uga.edu>





## State Botanical Garden of Georgia Athens, Georgia

This is more than just a pollinator garden featuring Georgia native plants. It's also a caterpillar garden, a native bee garden, and a song bird garden. These plants were chosen because they support a complex food web, and because they perform well in a southern garden setting.

Connect to Protect for Biodiversity is a program that combines beautiful public displays of native plants with educational materials to foster an understanding of the essential role that native plants play in maintaining biodiversity in urban and suburban landscapes. The program is offered through the State Botanical Garden of Georgia, a unit within the University of Georgia, Public Service and Outreach.

[botgarden.uga.edu](http://botgarden.uga.edu)







“Pocket prairie is too small to have impact on other biodiversity.”







# HOPE



# Recovery of *Echinacea laevigata*, Smooth Coneflower, in Georgia

Persisting on roadsides.  
Loss of woodland prairies.

Listed Endangered  
Global G2  
Georgia S2  
GPCA Circa 1997







Georgia Plant Conservation Alliance

# Georgia Plant Conservation Alliance

<http://botgarden.uga.edu/conservation-science/georgia-plant-conservation-alliance/>



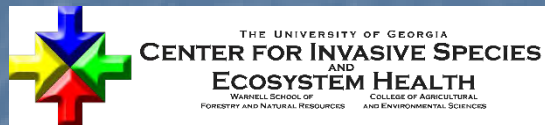
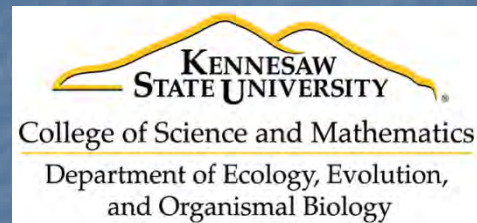
© Hal Massie



47



ATLANTA BOTANICAL GARDEN



## SMOOTH CONEFLOWER

*Echinacea laevigata*

**Family:** Asteraceae (aster)

**Project leaders:** Heather Alley, Mincy Moffett, Jimmy Rickard

**Rarity Ranks:** G2 / S2

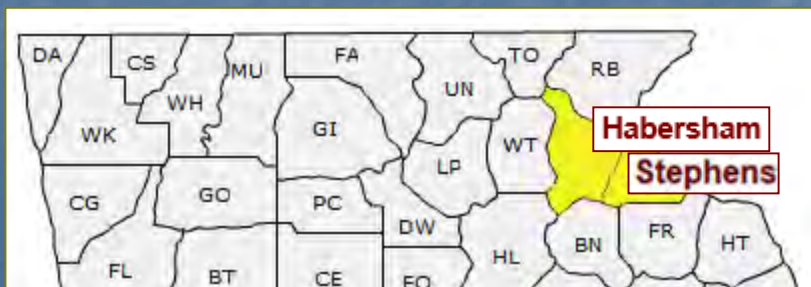
**Federal Status:** Endangered

**GA Status:** Endangered. 31 EORs, 10 seen since 2000. 2015 SWAP Priority.

**Perennial herb** found in grassy openings and rocky glades with shallow soil over mafic bedrock; sunny roadsides and rights-of-way through these habitats.

**Flowers:** mid-May – Jul    **Fruits:** Jul – Oct

**Range:** GA, SC, NC, VA (PA, MD extirp'd)

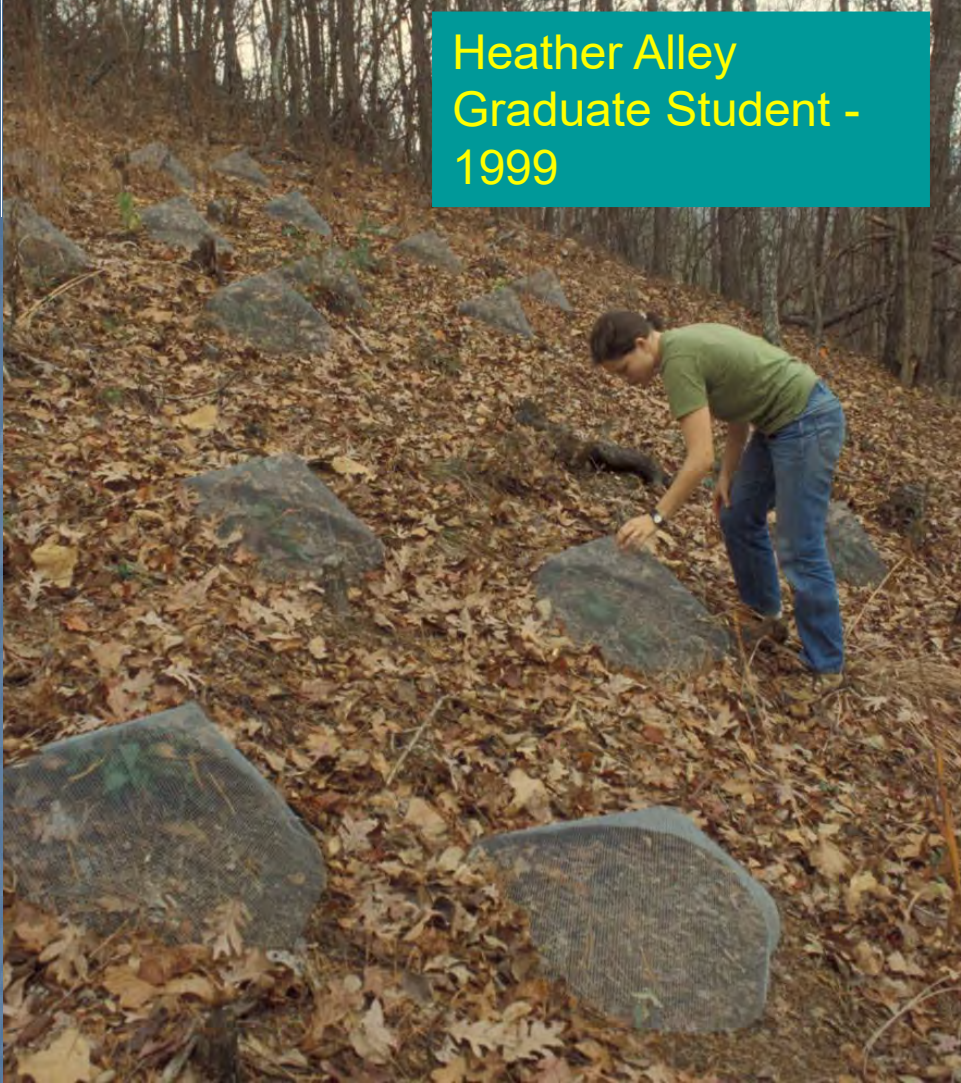


©Carol and Hugh Nourse



Mike Brod - USFS Staff Officer  
for Fire & Natural Resources

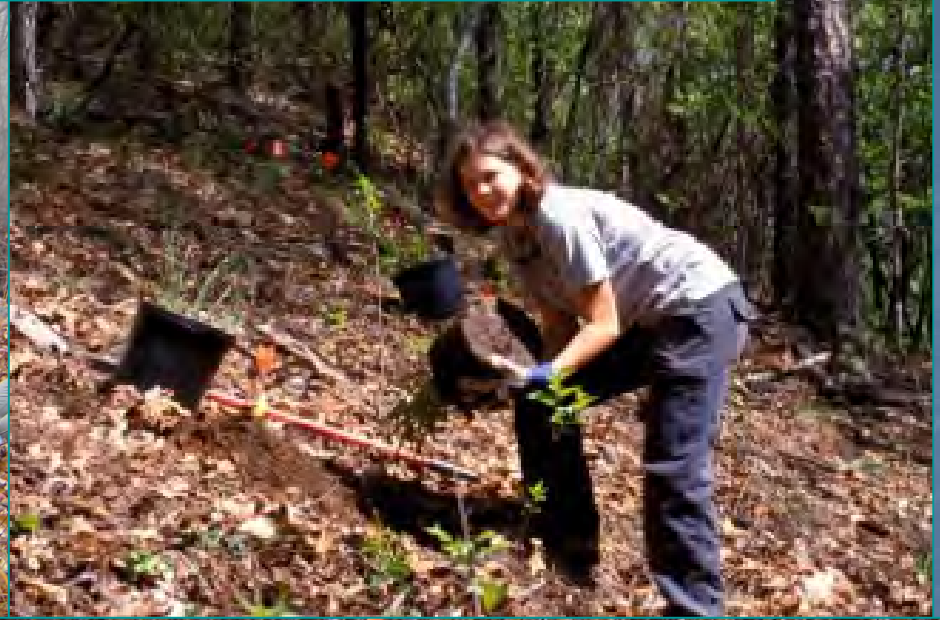
Heather Alley  
Graduate Student -  
1999



Natural Areas Journal  
Vol. 24, No. 4, October 2004

Experimental Comparison of Reintroduction Methods for the  
Endangered *Echinacea laevigata* (Boynton and Beadle) Blake  
(pp. 345-350) Heather Alley and James M. Affolter

Frog-egging, micrositing, monitoring, adaptive management – keep at it





Heather Alley, in the "Alley Plot"



## Smooth Coneflower

**Since 2000:** Grown more than 1,500 plants. Planted 1,000 plants and sown 3,700 seeds directly into the wild.

6 natural populations

4 new safeguarding sites on protected lands

# Recovery of Woodlands Habitat – expanding with US Forest Service Foothills Landscape Project





**MEDIA RELEASE**

**Steven Bradley**, Media Relations

July 24, 2019

6 Share

HABERSHAM COUNTY, Georgia — After nine years of what he called “two geeky nerds spending a lot of time and money looking for a snake,” Bryan Hudson watched the reptile named Russell slither off into the northeast Georgia landscape barely a week after it was captured.

Hudson admitted he was unlikely to lay eyes on the five-foot-long snake again for a full year. But for the Clemson University doctoral student, his collaborators and a slew of stakeholders on hand for the July 12 release, that’s when the real research on Russell began.

“In 2010 was the first time I really came to this area — the Habersham/Stephens County area — with the exact intention of looking for pine snakes,” Hudson told the gathered group. “It’s now 2019, and in that nine-year span, the snake that was discovered last week is the first live pine snake I’ve been able to get my hands on in **nine years of looking in the area.**”



Clemson University doctoral student Bryan Hudson holds Russell, a pine snake recently captured at Georgia’s Lake Russell Wildlife Management Area, moments before his release into the wild.

*Image Credit: Clemson University Relations*

Russell was released back into the

**Contacts**

**Bryan Hudson**  
bdhudson@g.clemson.edu  
404-556-1863

**Steven Bradley**  
sbradle@clemson.edu  
864-614-0208

**Related Links**

- Project Pine Snake

**Popular Tags**

- Students Faculty research
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- sustainability Arts Alumni
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- agriculture Awards
- student organizations diversity
- events Education

Student Rachel Sm...jpg

Show all







# Putting the Pieces Together

Statewide Policy & Economic Benefits

## SPECIES

- Red cockaded woodpecker
- Gopher tortoise
- Endangered plants

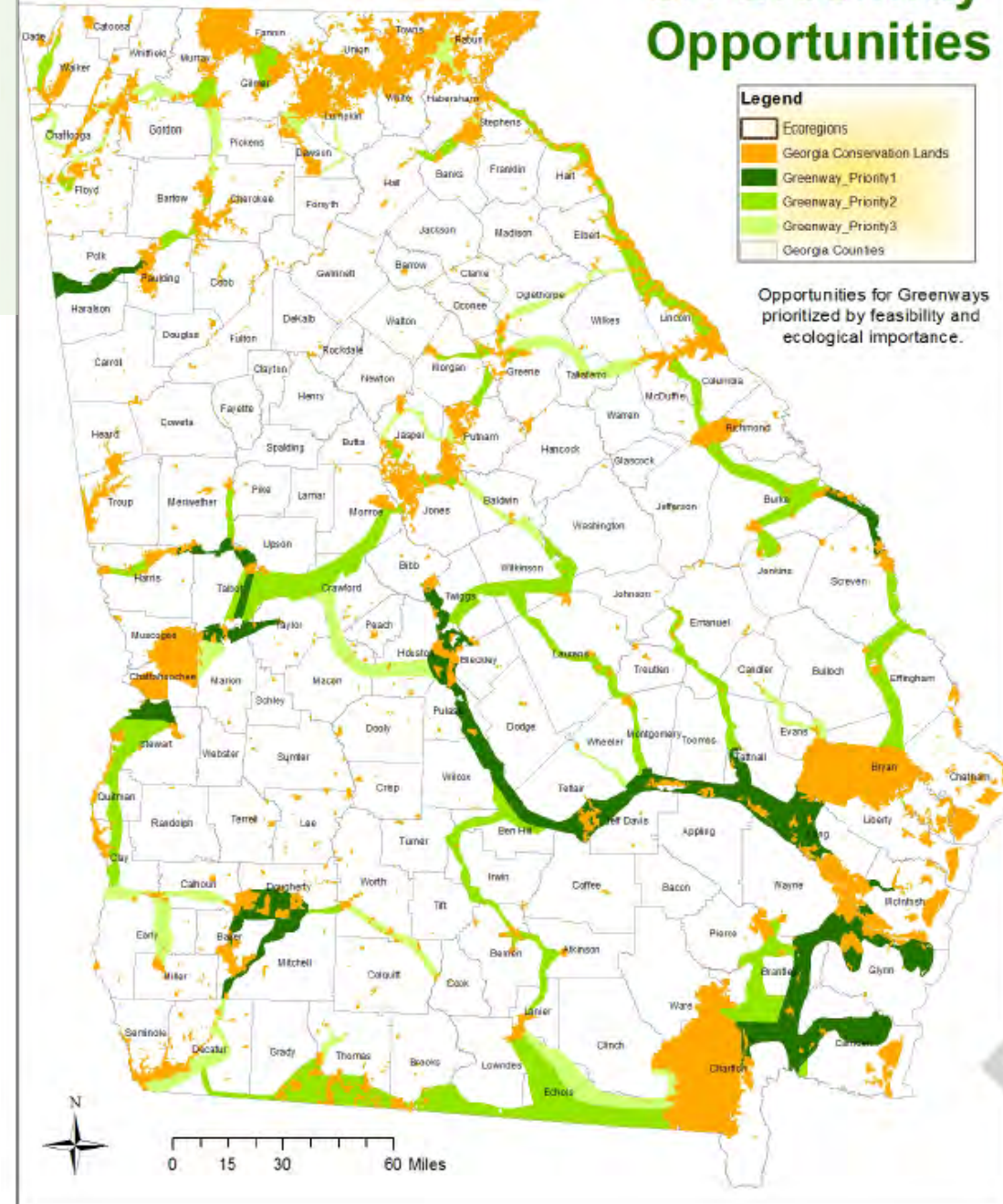
## POLICIES & PROGRAMS

- Wildlife Management Areas
- Sentinel Landscapes
- Gopher Tortoise Conservation Initiatives

## ECONOMICS & PLANNING

- Outdoor economy
- Natural resource inventories
- Conservation planning

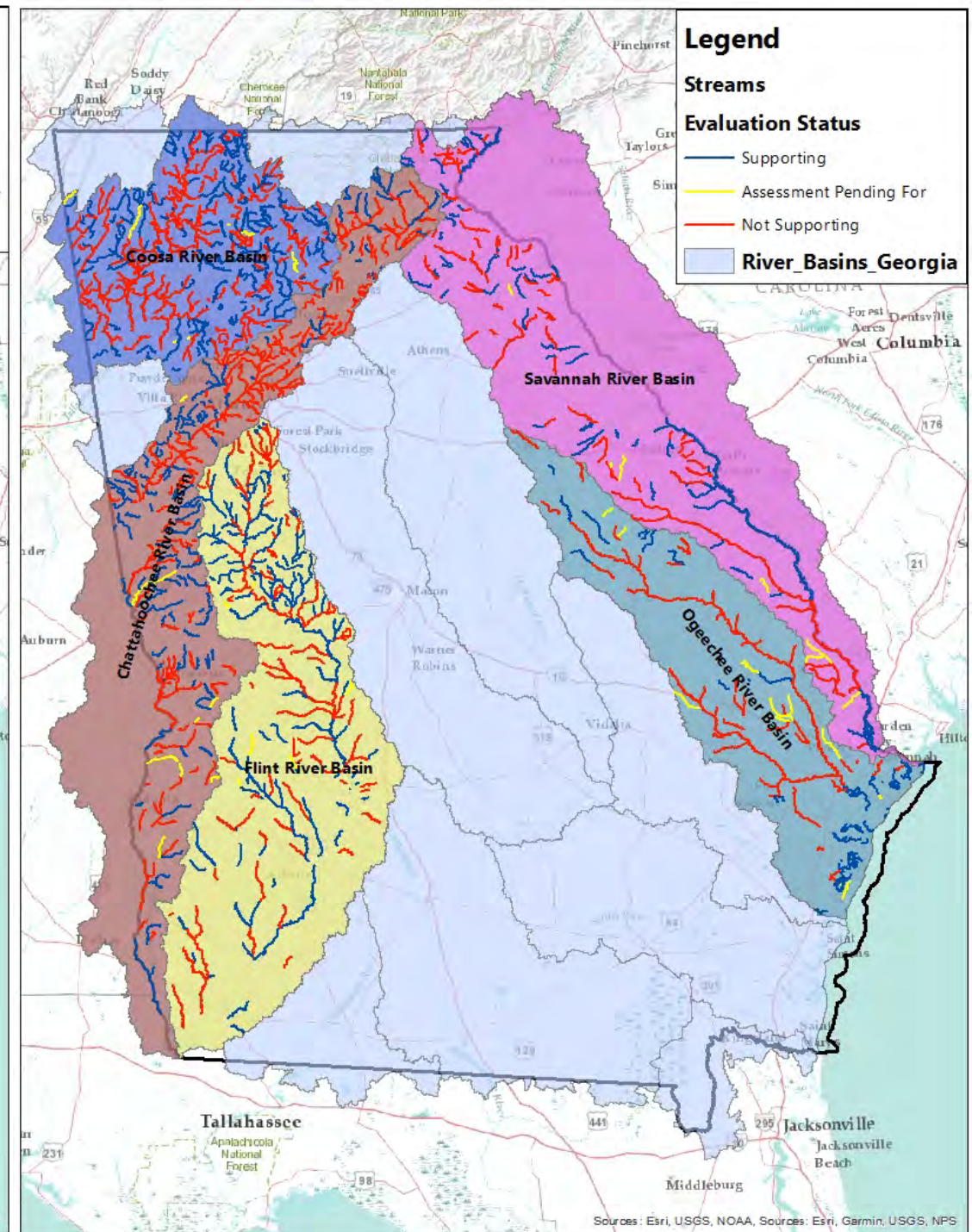
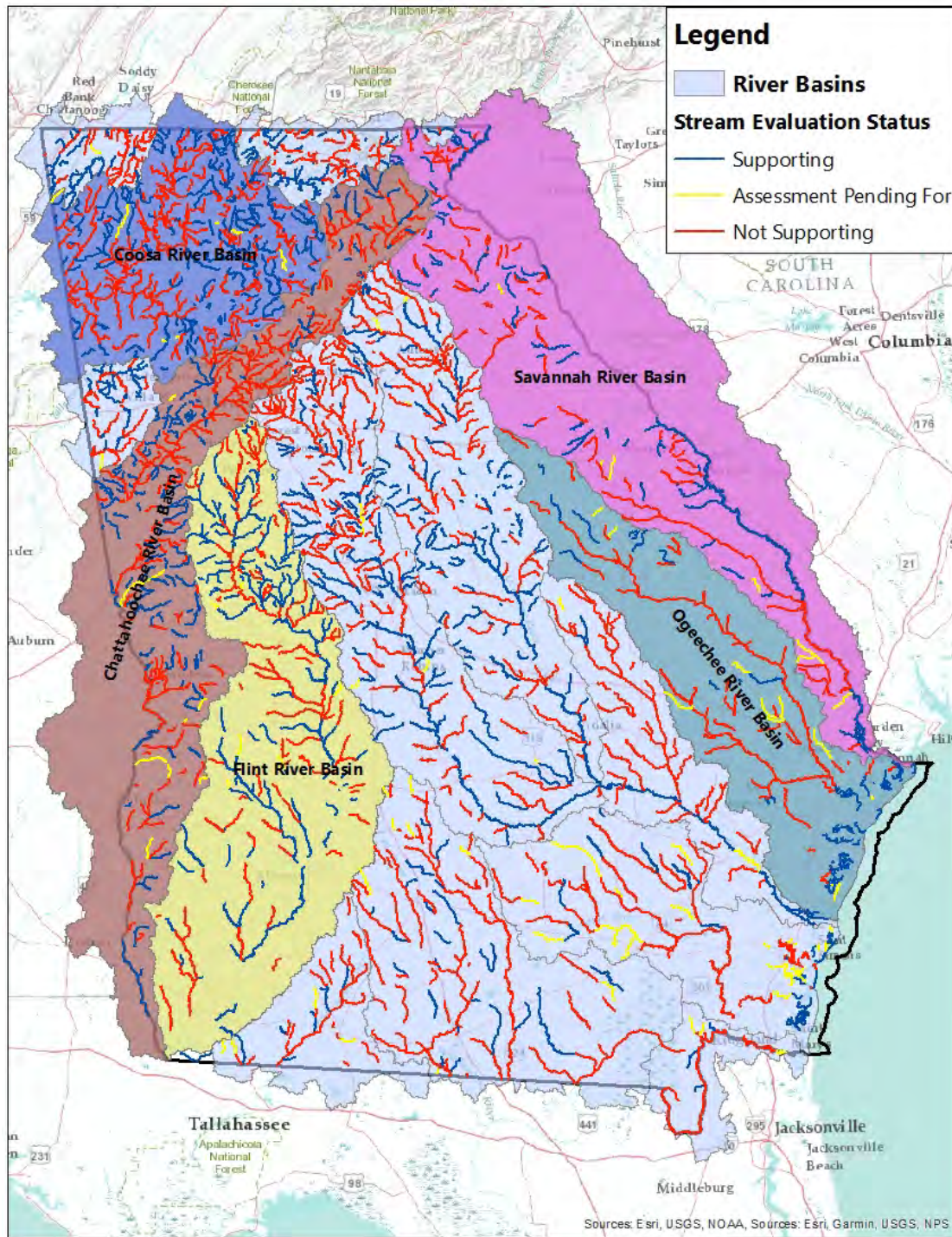
## GA Greenway Opportunities



# Impaired Waters of Georgia

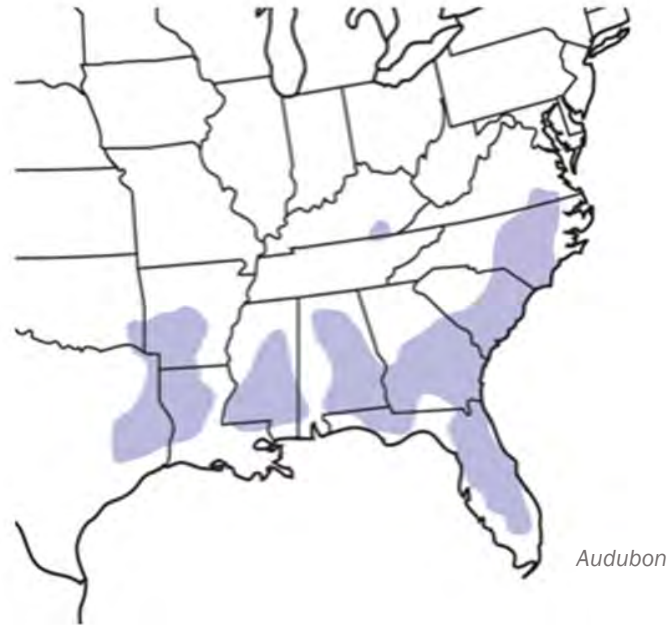
“Supporting” = rivers supported designated use.

“Not supporting” = rivers are too polluted to support designated use.



# A Georgia Conservation Story: Red Cockaded Woodpecker

## RANGE



Original Range: Across SE USA  
By 1995 most remaining birds were on DOD installations

## HABITAT



Longleaf Pine  
Lives in old trees  
Limited range for foraging





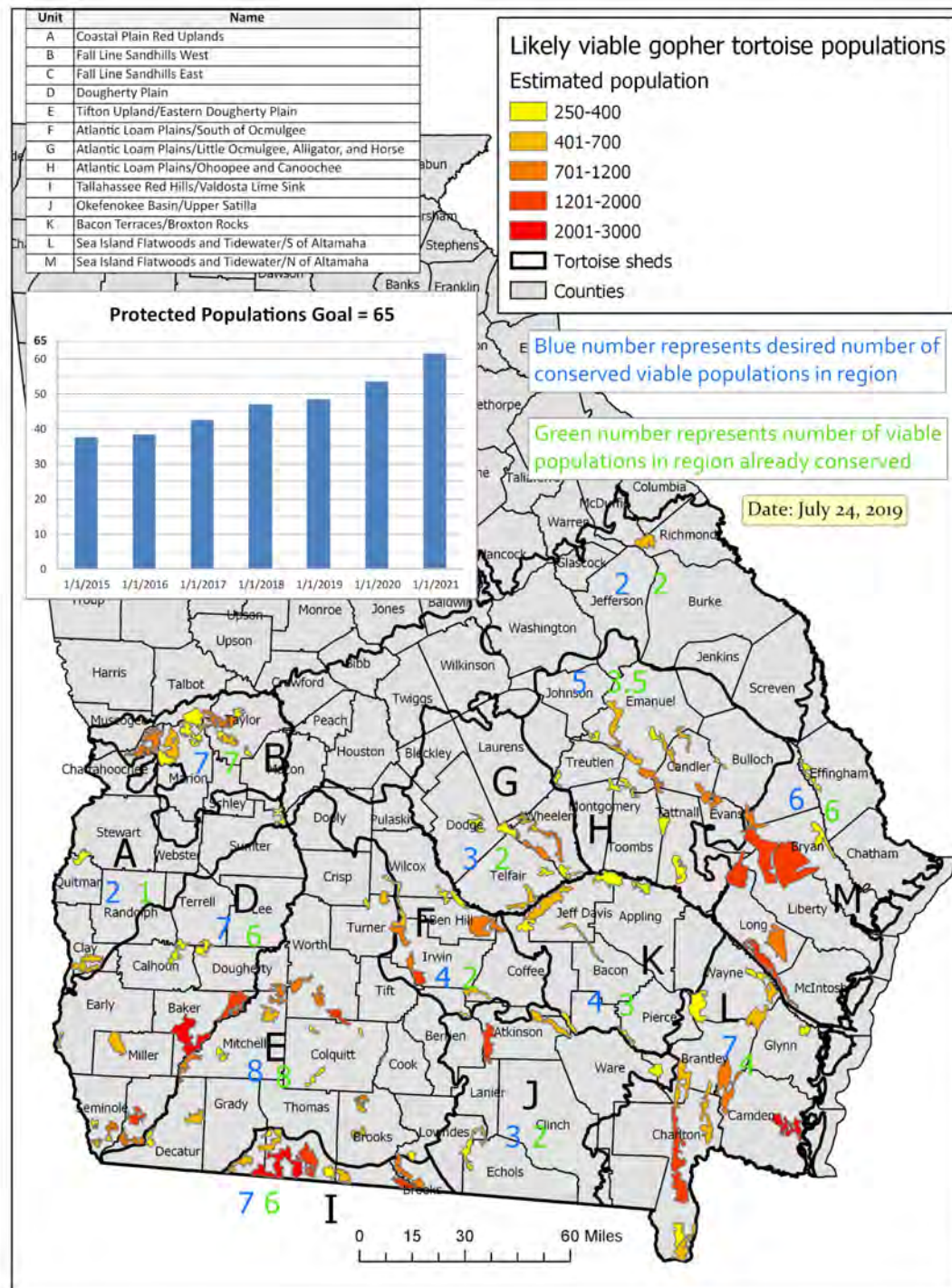
1. Why?
2. How?
3. What?

# Gopher Tortoise Conservation Initiative

High Priority Species  
High Priority Habitats

Inter-agency Coordination  
Regional Conservation Partnerships  
Reducing Development Impacts

Keystone Species

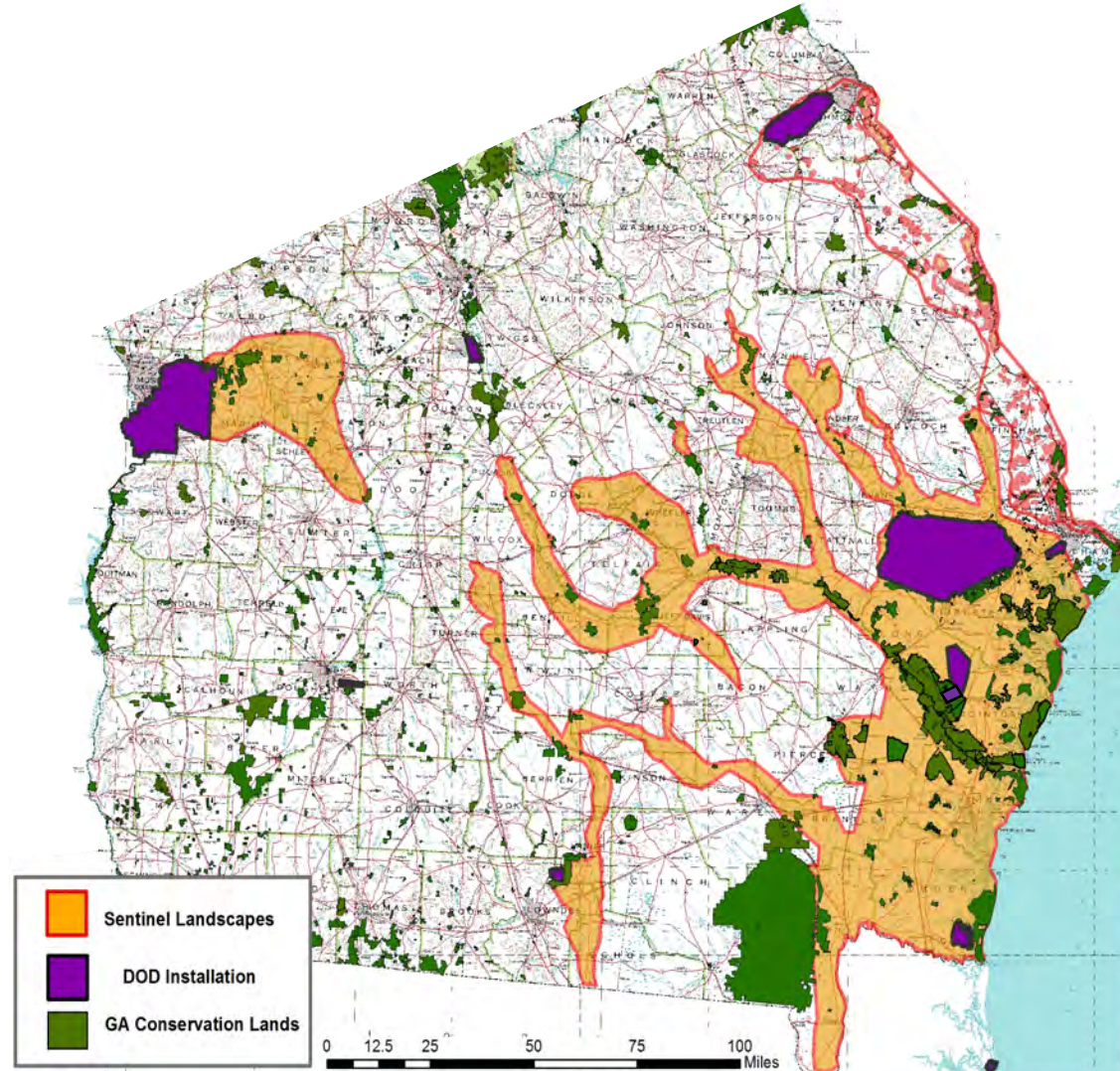


GT Viable Populations

# The Georgia Sentinel Landscape



- 9 DOD installations
- 5 REPI programs
- 4.5 million acres
  - 1.3M “critical” acres
- 3 areas of emphasis
  - REPI buffers
  - Gopher tortoise
  - Savannah River
- More than 20 partner organizations and growing



## *Georgia State Parks and WMAs*

- Economic ripple effect: \$xx.1 billion/year
- Salaries/earnings: \$622 million/year



Source: <https://gadnrwr.d.maps.arcgis.com>

# Wildlife Management Areas, State Parks, & Other Designations

## SANSAVILLA



County: Wayne

Type: Wildlife Management Area

Acreage: 16,867

Activities:

- Boating & canoeing
- Hunting
- River fishing
- Wildlife viewing

Gopher Tortoise Habitats

## ALTAMA



County: Glynn

Type: Wildlife Management Area

Acreage: 3,986

Activities:

- Fishing
- Hunting
- Wildlife viewing
- Events (at plantation)

Gopher Tortoise Habitats

## FORT MCALLISTER



County: Bryan

Type: State Park

Acreage: 1,725

Activities:

- Birding
- Boating
- Fishing
- Hiking
- Educational Programs
- Tours & events

Set in High Priority- G3 and G2  
Habitats



## *Fishing*

- Retail sales: \$1.3 billion/year
- Economic ripple effect: \$2.1 billion/year
- Salaries/earnings: \$622 million/year
- Tax revenue: \$147 million (federal), \$109 million (GA)

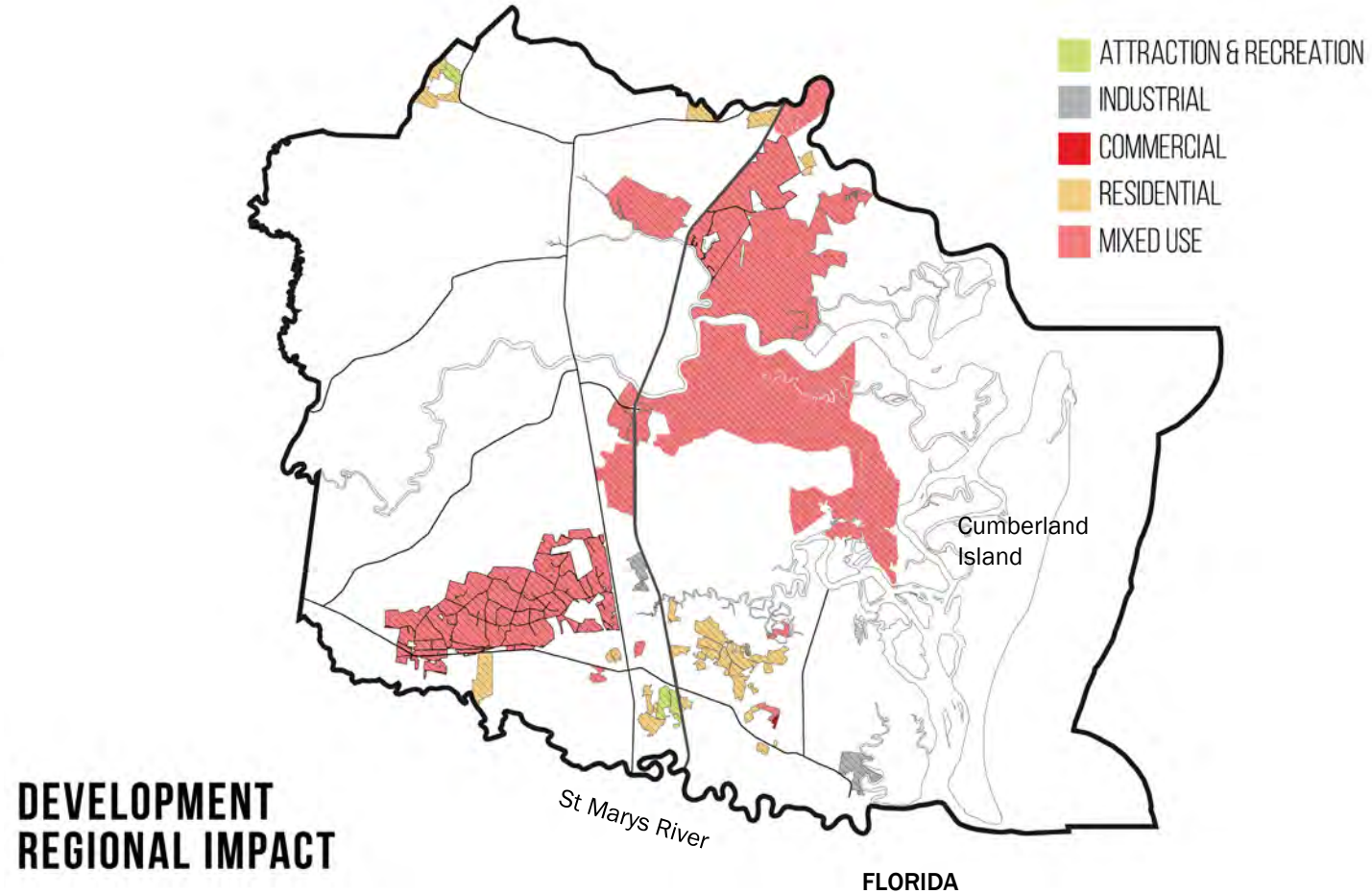
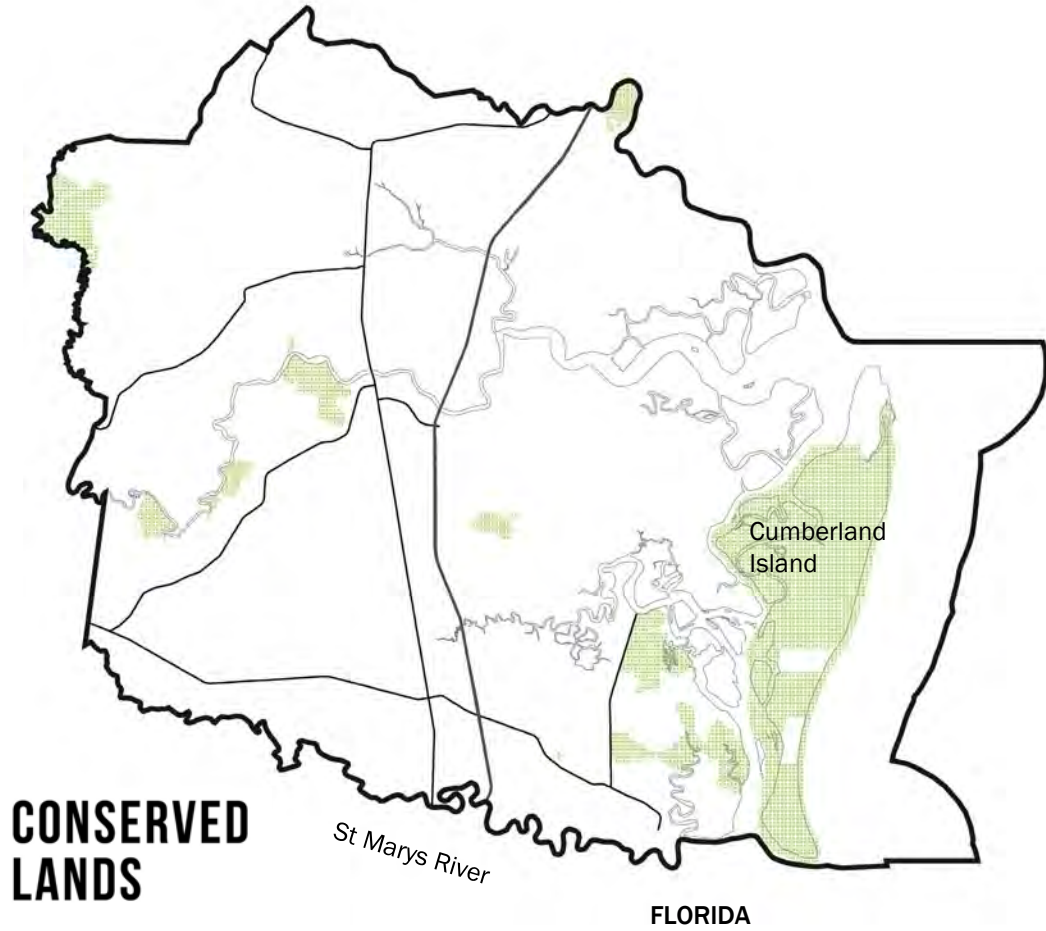


## *Wildlife Watching*

- Revenue:  
\$1.8 billion/year  
in GA
- \$639 spent per  
person on average

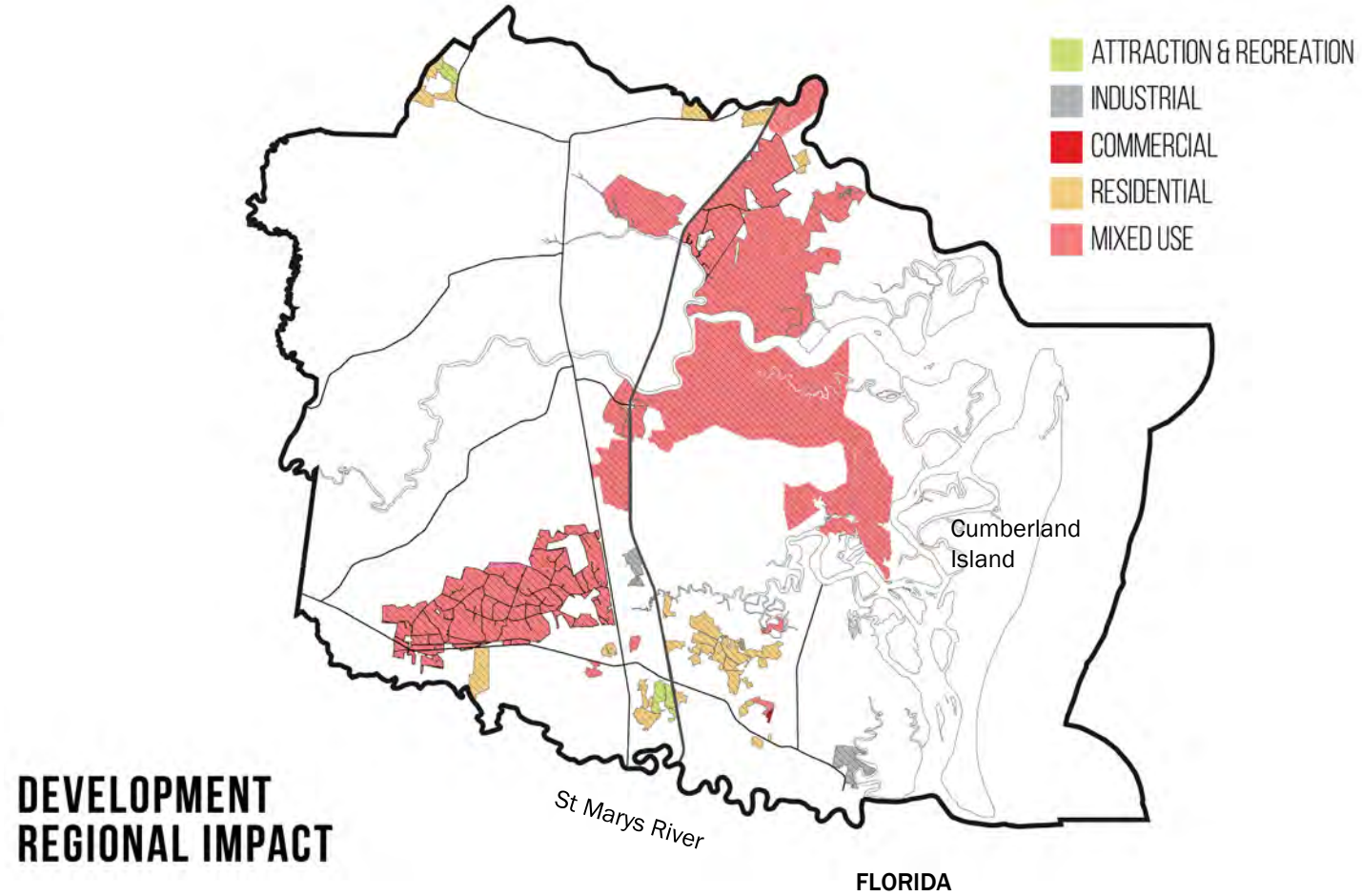
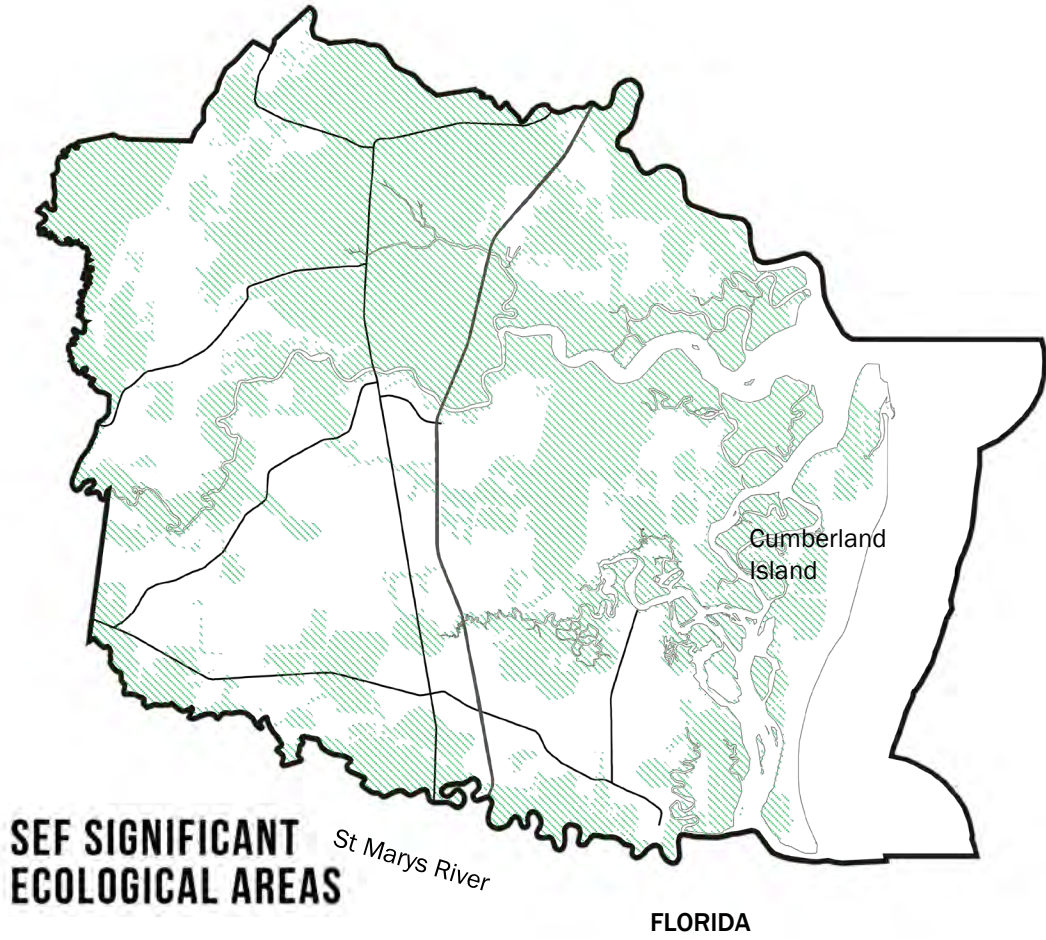


# Camden County





# Camden County



# Camden County

