

# Habitat



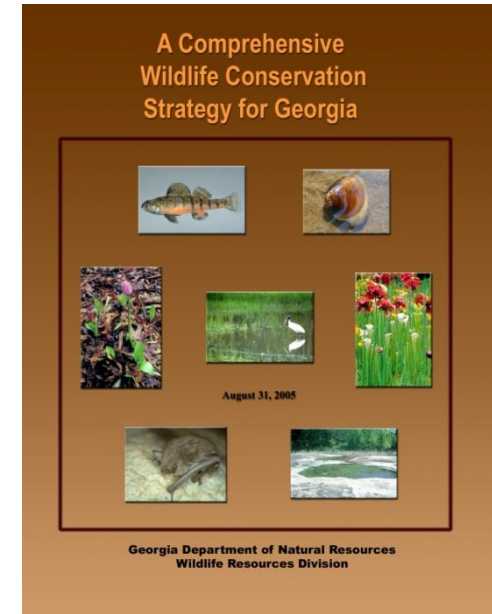
September 22, 2011

Sonny Emmert

# Biodiversity



- 74 high priority animal species
- 88 high priority plant species
- 25 high priority habitats



# Coastal Georgia Land Conservation Initiative



## Objectives:

- More detail and information on coastal habitats
- Providing local governments with additional planning resources
- Strategic Conservation



# Other Partners

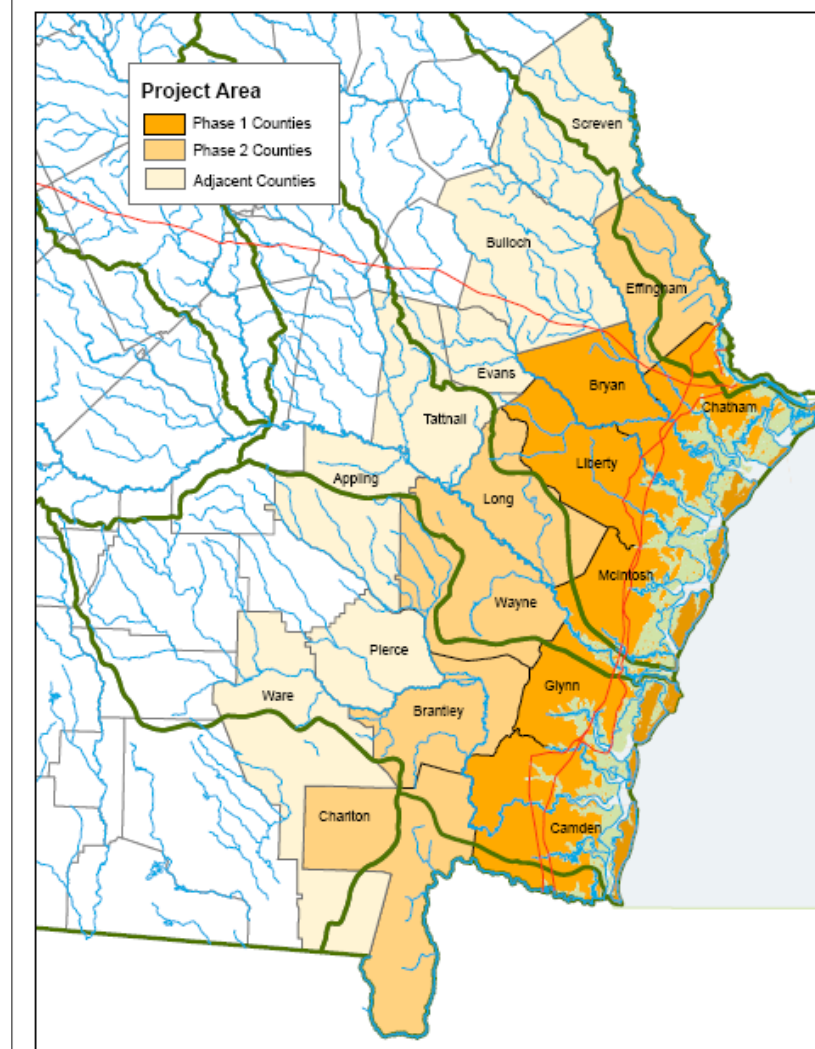


- NatureServe
- Coastal Regional Commission
- Local governments
- Private landowners
- The Nature Conservancy
- Department of Community Affairs
- Environmental Protection Division
- UGA Marine Extension Service
- U.S. Fish & Wildlife Service
- U.S. Department of Defense

# Coverage



## Project Area



# Vegetation Classification

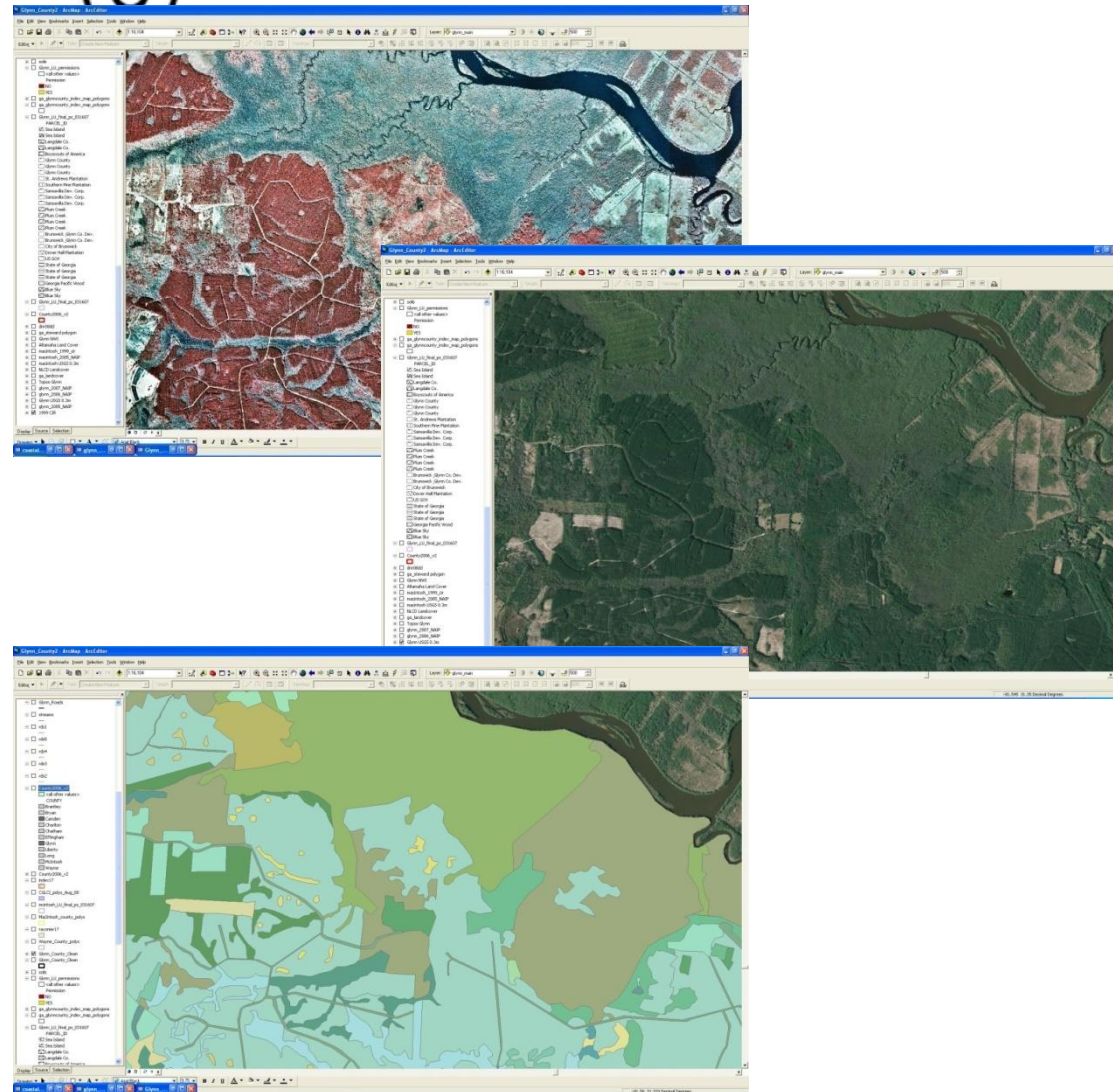


- Plant communities classified using NatureServe system
- Three levels of classification:
  - Ecological System (coarse)
  - Alliance (medium)
  - Association (fine)



# Mapping

- Heads-up digitizing using ArcGIS software
- Plant communities delineated using recent digital imagery (1999 color infrared through 2007 NAIP)
- Preliminary natural community names are assigned prior to field verification



# Coastal Georgia Land Conservation Initiative



## Mapping Highlights

130 associations mapped  
7 new associations identified  
1 new species documented  
1 extended species range



# Application



# NatureServe VISTA



**Site Inventory**

Scenario Evaluation: [Napa County - Baseline](#)

Site: CA FG 89832

Selected Site:  
Parcel Id: 2387  
Owner: California St. Fish and Game

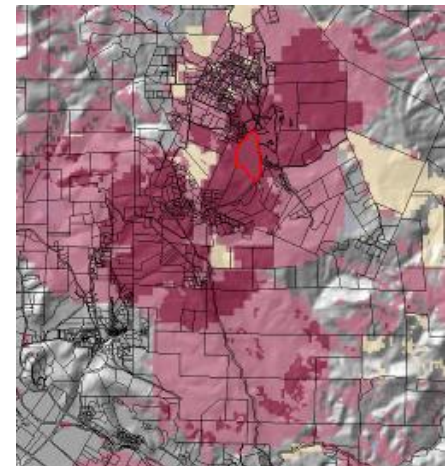
Set Up...

Element Inventory			
Element Name	Protection	Viability	Response
<input type="checkbox"/> Northwestern Pond Turtle			Incompatible
<input type="checkbox"/> Napa Western Flax			Incompatible
<input type="checkbox"/> Purple Martin			Compatible

Scenario Composition

Layer	Land Use	Protection Policy
State F&G	Recreation and Open Space	Owned/Managed
StreamSetbacks.shp	Biodiversity Conservation	Local legislation
Slope_plus_50	Biodiversity Conservation	Local Legislation

Preview  
Apply  
Finish ...



# In Action, Next Steps, Gaps



- Local Ordinances, RIR, Planning Processes, Land Conservation
- Strategic Conservation Planning, Ease of Application, Continuing Education
- Natural Community Vulnerability Assessment, Habitat Shifts, Ecosystem Services Impacts, Economic Importance