

South Atlantic Landscape Conservation Cooperative (LCC)

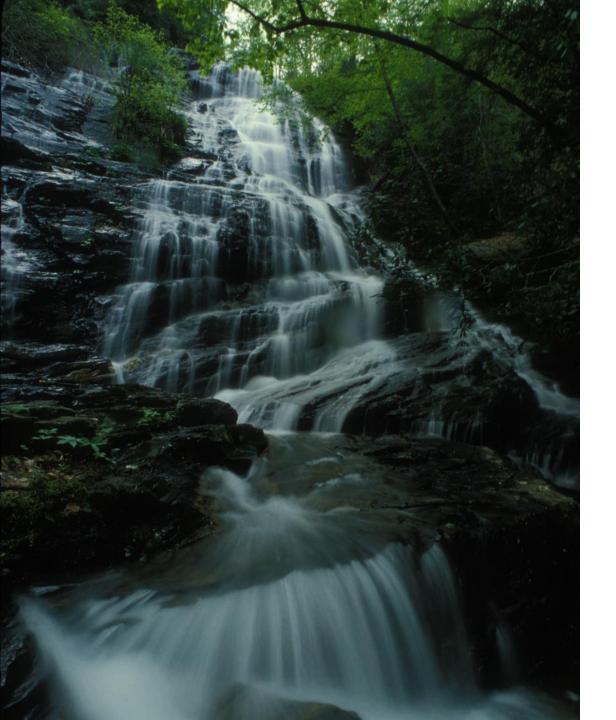
Mallory G. Martin, Coordinator



Overview

- South Atlantic LCC
- South Atlantic Conservation Blueprint
- Blueprint implementation strategy
- Southeast Conservation Adaptation Strategy (SECAS)

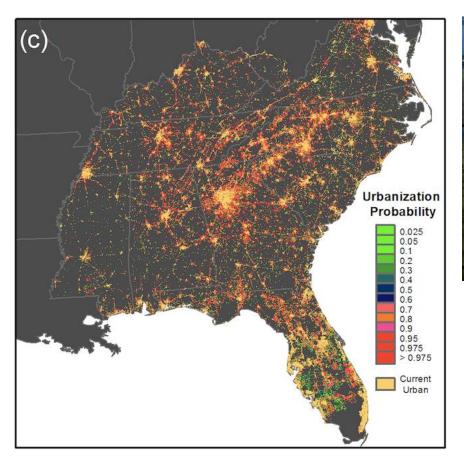




What is the South Atlantic LCC?

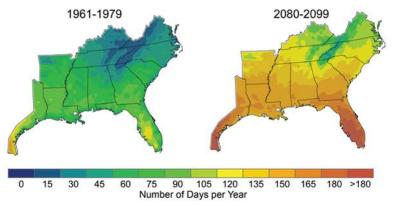
- A forum in which federal and state agencies, nonprofits, communities, and individuals work together to:
 - develop a shared vision of landscape sustainability,
 - cooperate in its implementation,
 - and collaborate in its refinement.

Why cooperate?





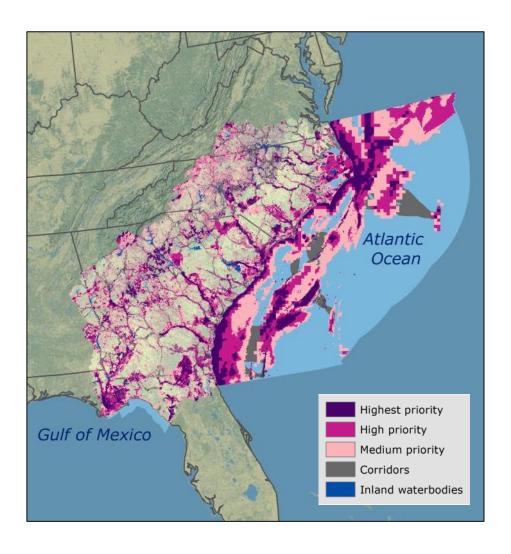
Days per year with peak temperature over 90° F



What does the South Atlantic LCC do?

Our mission

 To facilitate conservation actions that sustain natural and cultural resources, guided by a shared adaptive blueprint



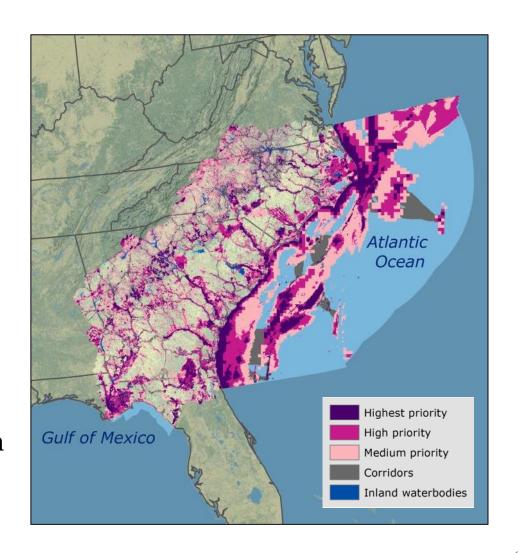
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What is the Blueprint?

A living spatial plan
 prioritizing opportunities for
 shared conservation action in
 the face of future change



How is the South Atlantic LCC governed?

The Steering Committee















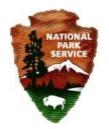














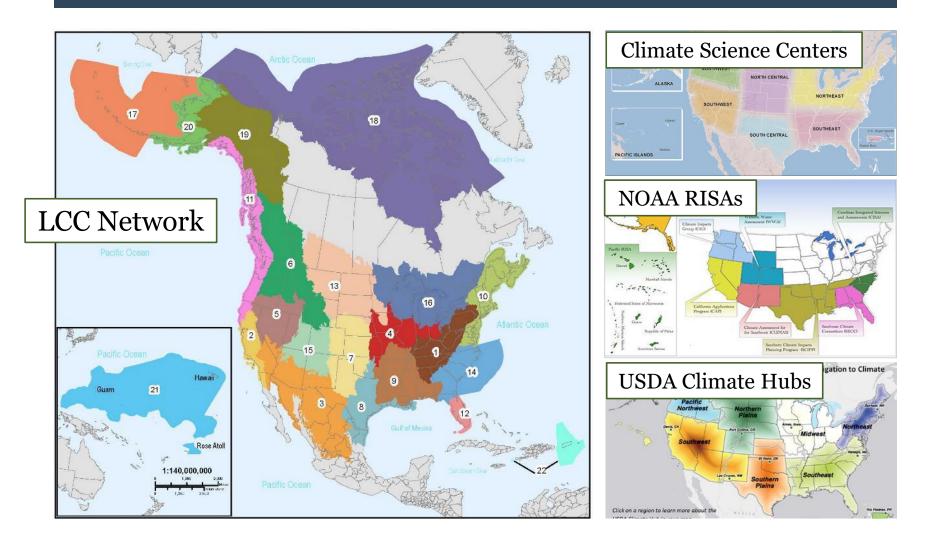








Part of a larger network





Our products

- Indicators
- The State of the South Atlantic
- The Blueprint

Indicators

• Integrity of natural resources



• Integrity of cultural resources



Indicator criteria

- Ecological
- Practical
- Social

Marine Indicators

- **Marine mammals**: index of dolphin and whale density based on monthly predictions
- Potential hardbottom condition: index of potential condition of deepwater corals, solid substrate, and rocky outcroppings
- Marine birds: index of highly productive areas for birds that feed exclusively or mainly at sea

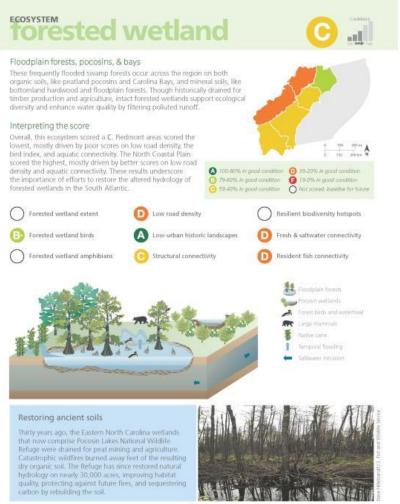


State of the South Atlantic

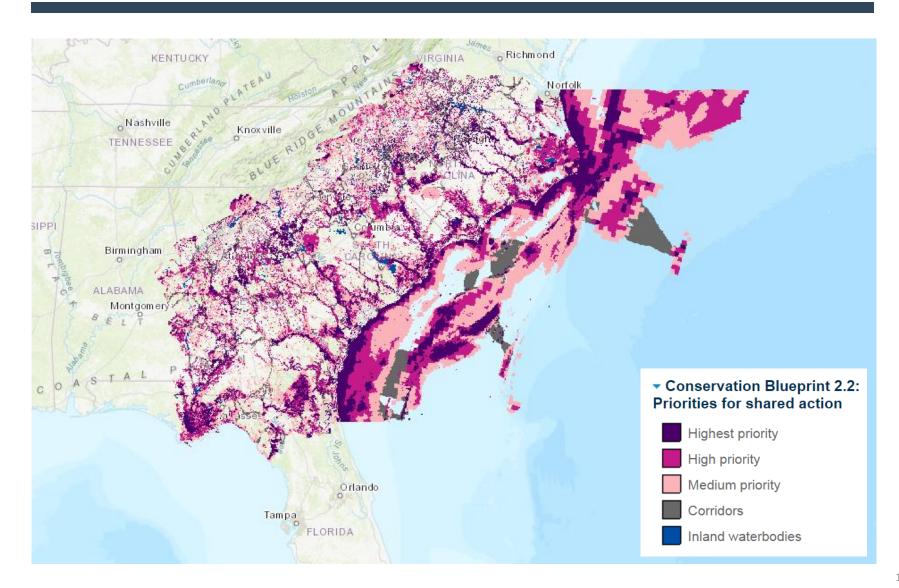
State of the South Atlantic South Atlantic ecosystem health scores Overall, the South Atlantic scored a C. Piedmont areas scored the lowest, likely due to impacts from their major urban megaregions. The Marine region scored the highest, however, it did not include fishing impacts. The Coastal Plain scores were in the middle. These scores show that, while the South Atlantic is not completely healthy, there's hope for making future improvements. South Coastal Plain: Home to Savannah, North Piedmont: 1 Home to Charlotte. South Atlantic Raleigh, and large areas of upland hardwood Jacksonville, and a network of protected forest. People who live and work in urban barrier islands. Partnerships are working areas will help decide the future of this to conserve this region's largest river South Piedmont: Home to Atlanta Gulf Coastal Plain: Home to rural and diverse watersheds draining into Southwest Georgia and extensive the Atlantic and Gulf. Balancing water conservation lands in the Big Bend of needs for people and species continues Florida. Sea-level rise and upstream agriculture continue to impact coastal to be a challenge. protected areas. North Coastal Plain: Home to the Marine: Home to rich fisheries. Outer Banks and extensive estuaries. Sealevel rise is predicted to heavily impact this deepwater coral, diverse seabirds, and important migratory fish, whales, and particularly flat region. turtles. Ocean acidification and increased energy Central Coastal Plain: Home to Wilmington, Myrtle development are major emerging threats. Beach, and large protected wetland areas. Sea-level rise, tourism, and changing agricultural practices continue to influence ecosystem health. A snapshot in time This assessment evaluates the ecological integrity of the South Atlantic using natural and cultural resource indicators. The indicators are scored across the entire region, for individual ecosystems, and within subregions following watershed and ecoregional boundaries. All indicators are regularly tested and revised, and this first report uses the best metrics available today. Toward conservation action Measuring these indicators communicates the status of the region's land and waters, helping develop a more unified vision for thriving ecosystems that support communities and economies. People and organizations are working together on cross-boundary conservation actions through the South Atlantic LCC to improve ecosystem health in the face of unprecedented changes to the natural world. A 100-80% in good condition Scoring & level of confidence 1 79-60% in good condition Each data-driven indicator score is based on the percent of an area in 59-40% in good condition good condition, according to the best available science. Though all 1 39-20% in good condition indicators were measured, some scores were omitted to provide a baseline 19-0% in good condition for future comparison. Confidence values are qualitative estimates of

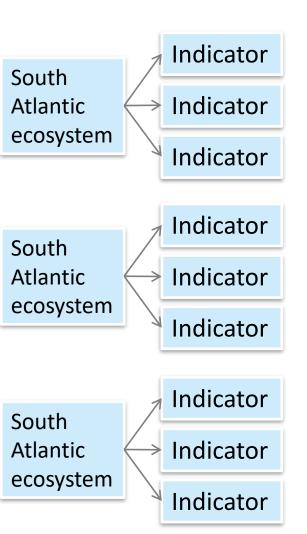
Not scored: baseline for future

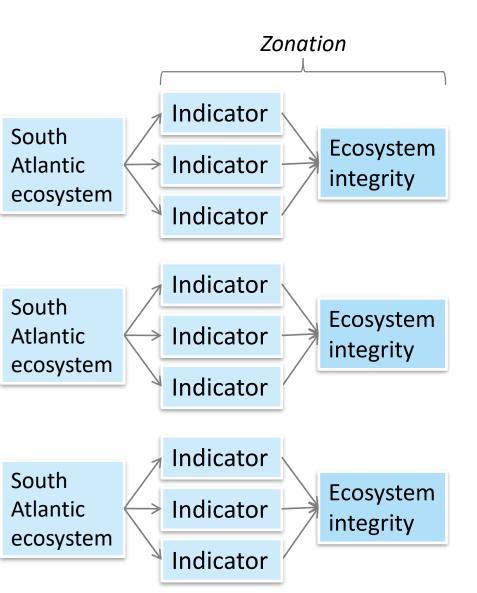
uncertainty based on known issues with indicators and data sources.

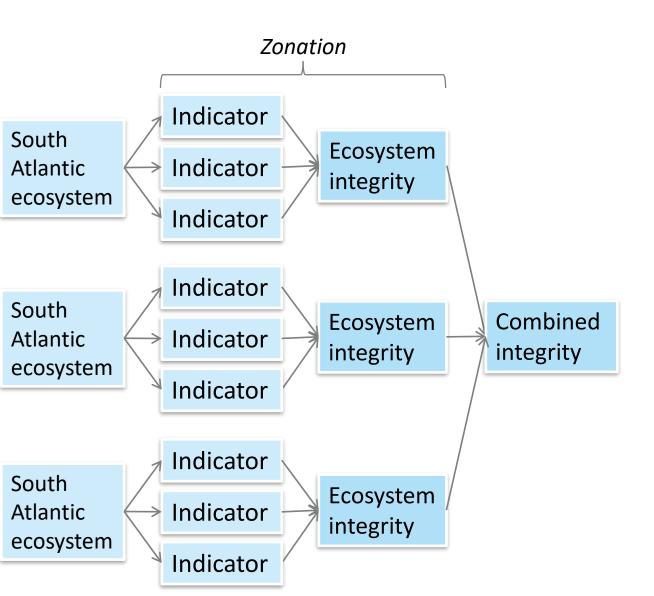


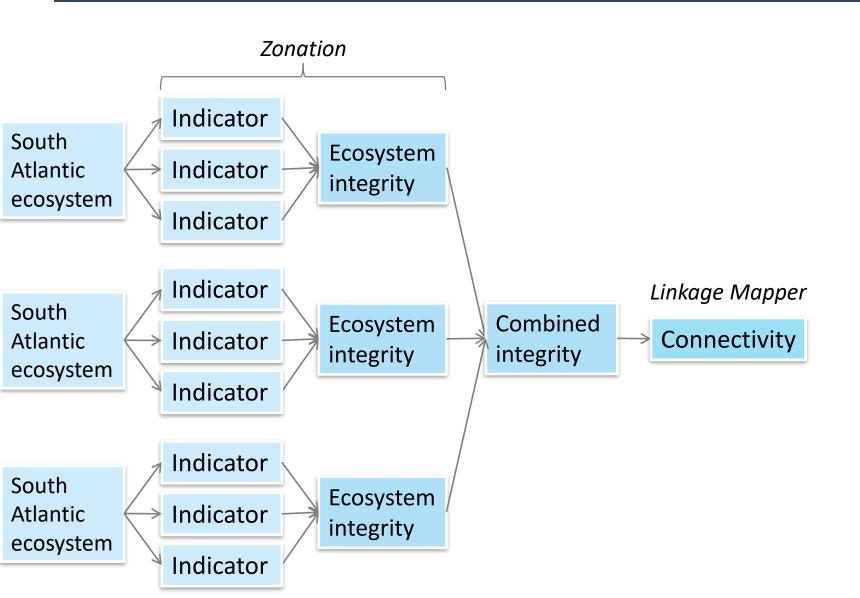
South Atlantic Conservation Blueprint 2.2

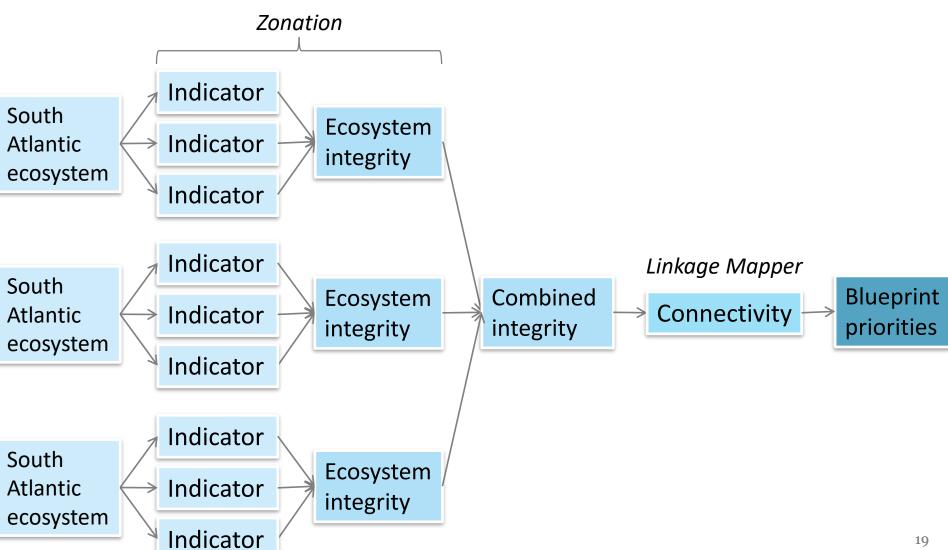












Blueprint priorities

- Each blueprint priority class covers a set amount of the South Atlantic area
- Percentages come from the literature and planning documents seeking to balance conservation and human use

Highest Priority (10% of area)

High Priority (15% of area)

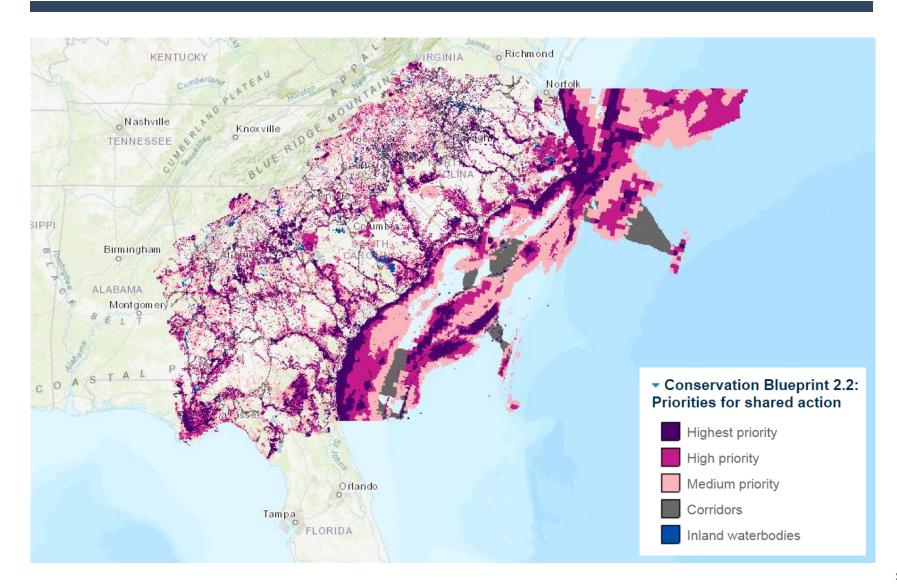
Medium Priority (20% of area)

Corridors (5% of area)

Not a shared priority

(50% of South Atlantic area)

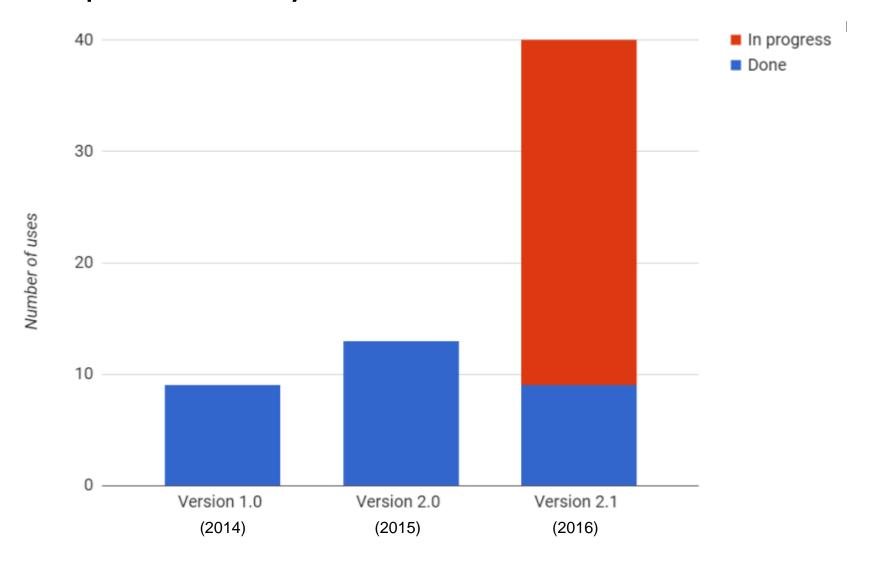
South Atlantic Conservation Blueprint 2.2



How is the Blueprint being used?

- Conserving private lands near military bases
- National Wildlife Refuge planning
- Coastal wetlands protection
- Longleaf pine management
- Assessing habitat ahead of major disasters
- Riparian forest and coastal wetlands protection
- Climate-smart wildlife management
- Fish passage barrier removal
- National Forest planning
- Ecosystem-based fishery management
- Wetlands protection
- Public lands planning

Blueprint use by version



Accessing Data

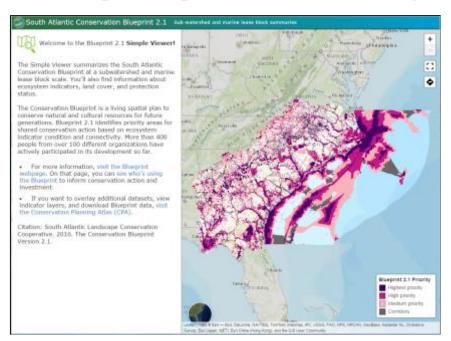
The Conservation Planning Atlas

http://salcc.databasin.org



The Simple Viewer

http://blueprint.southatlanticlcc.org





Implementation strategy

- Using the Blueprint to improve ecosystem integrity
- Response to urban growth and sea-level rise
- Subregional actions

Path to improving ecosystem integrity

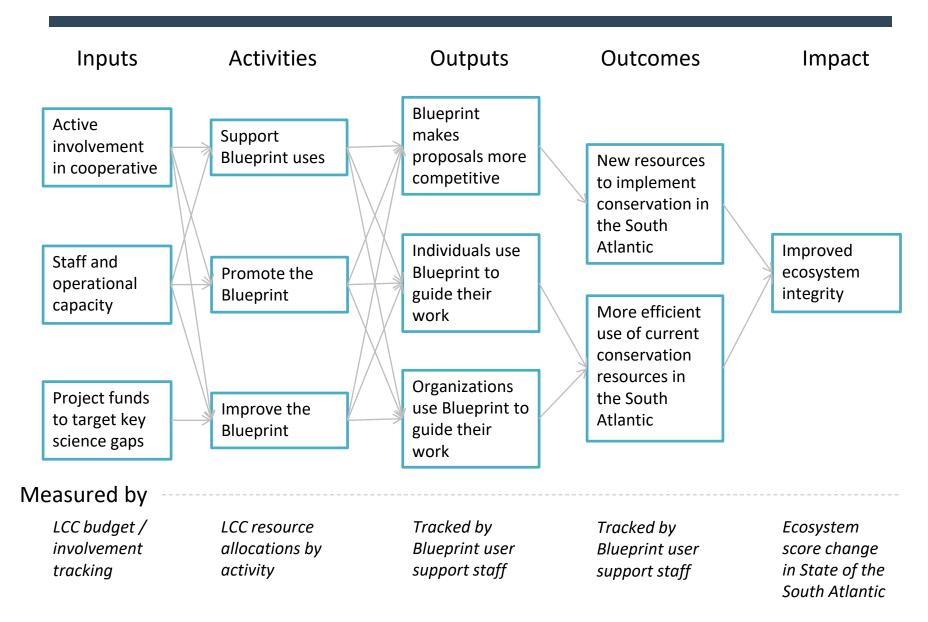
Inputs Activities Outputs Outcomes Impact

Active involvement in cooperative

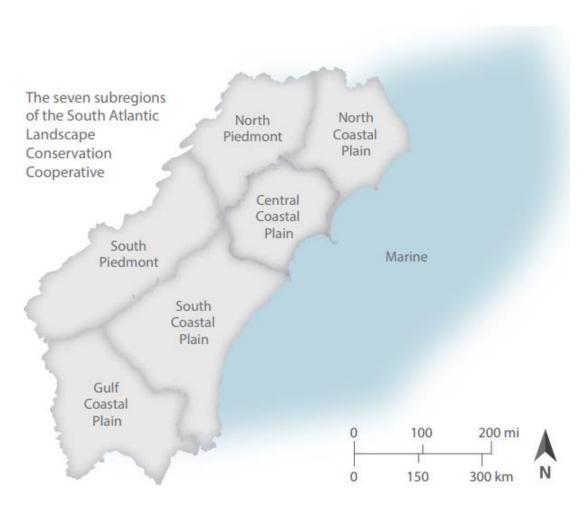
Staff and operational capacity

Project funds to target key science gaps Improved ecosystem integrity

Path to improving ecosystem integrity



Subregional actions



What success/failure looks like

Subregional actions

- Blueprint workshops
- Info from 19 other plans

Success examples from marine subregion

- Sufficiently clean coastal water for a healthy fisheries
 economy, reduced harmful algae blooms, and healthy recreational opportunities
- Estuarine **habitats are connected** to offshore marine habitats with critical life-history supporting habitats for fish and wildlife. These support improved fisheries and populations of non-fishery related estuarine and marine species
- An engaged and informed public and community leaders
 that prioritize nature for its inherent value and the services it
 provides to sustain life

Inputs for marine subregion actions

- South Atlantic Conservation Blueprint workshops
- 2016 2020 Vision Blueprint for the Snapper-Grouper Fishery in the South Atlantic
- South Atlantic Fishery Ecosystem Plan
- Atlantic Coastal Fish Habitat Partnership Conservation Action Plan
- Atlantic States Marine Fisheries Commission Recommendations for Conservation of Atlantic Sciaenid Habitats
- NC Coastal Habitat Protection Plan
- FL State Wildlife Action Plan
- Albemarle Pamlico National Estuary Partnership Comprehensive Conservation and Management Plan
- Gullah Geechee Cultural Heritage Corridor Management Plan

Action examples from marine subregion

- **Support living shoreline efforts** to benefit the South Atlantic Bight (Blueprint workshops)
- Ensure that **energy development** and infrastructure is designed and sited to minimize negative impacts to fish habitat, avoid new obstructions to fish passage, and, where possible, provide positive impacts. (NC Coastal Habitat Protection Plan)
- Enhance existing and **develop new partnerships** with agencies, academic institutions, and other organizations to support comprehensive management strategies for the snapper grouper fishery (Vision Blueprint for the Snapper-Grouper Fishery)

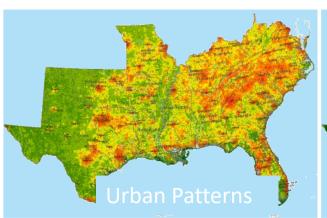


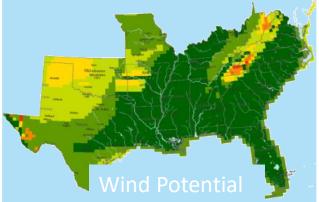
Regional connections

Southeast Conservation Adaptation Strategy SECAS

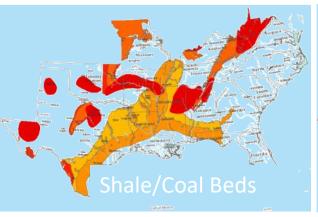
Why Landscape Scale Conservation?

Large Disruptive Changes Impacting Conservation













Southeastern Association of Fish & Wildlife Agencies



Southeastern Natural Resources Leaders Group





- Southeast Conservation Adaptation Strategy
- Initiated by states
- Inclusive of federal agencies
- Implementation through LCCs
- Coordinated with CSCs
- Incorporating broad network of partners; sectors



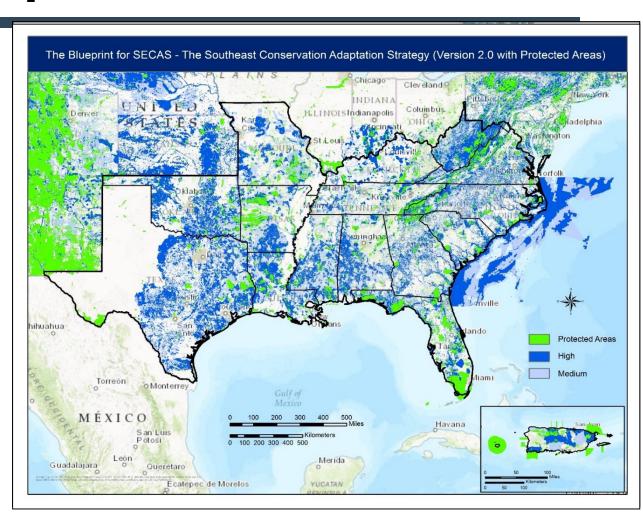
Conservation Opportunities



- Connecting Lands
- Connecting Waters
- Engaging Other Sectors
- Incorporating Future Conditions into Decision Making
- Integrating At-Risk Species
- Bringing In New Resources

SECAS Blueprint Version 2.0

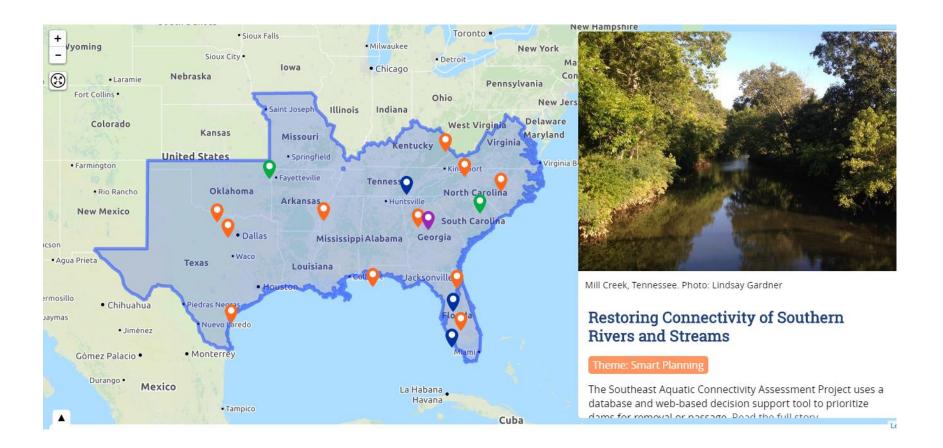
- Integrates Blueprints from individual LCCs
- Living map showing shared priorities for conservation and restoration
- Lands and waters with high and medium conservation value; not acquisition boundaries
- Includes connectivity corridors
- Includes potential conservation layers, such as prescribed burning and reforestation
- Version 2.0 Much improved; more to be done



A few improvements in the works

- Finer resolution
- Improved estuarine and marine indicators
- Better models connecting actions and indicators

secassoutheast.org



How to get involved with your cooperative

 Join the South Atlantic LCC web community

southatlanticlcc.org

- Connect with a staff or other cooperative member
- Explore the Conservation Blueprint



southatlanticlcc.org/blueprint