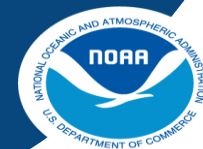


# NOAA Restoration Projects and Priorities

Dionne Hoskins-Brown, Ph.D.  
Fishery Biologist, SEFSC

Director, NOAA Programs, SSU



**NOAA**  
**FISHERIES**

# REFERENCES

NOAA AND U.S. DEPARTMENT OF COMMERCE FY22-26 STRATEGIC PLAN CROSSWALK		
NOAA STRATEGIC GOALS	DOC STRATEGIC GOALS	DOC STRATEGIC PLAN OBJECTIVES (Commerce lead bureau is in parentheses)
<i>Goal 1 - Build a Climate Ready Nation</i>	<i>Goal 3 - Address the Climate Crisis through Mitigation, Adaptation and Resilience Efforts</i>	<p>3.1 – (NOAA) Increase the impact of climate data and services for decision makers through enhanced service delivery and improved weather, water and climate forecasts</p> <p>3.2 – (NOAA) Strengthen coastal resilience and <b>restoration</b> of lands and waters for current and future generations</p> <p>3.3 – (ITA) Accelerate development and deployment of clean technologies</p> <p>3.4 – (All bureaus) Embed climate considerations across Department programs</p>
<i>Goal 2 - Make Equity Central to NOAA's Mission Operational Excellence</i>	<i>Goal 5 - Provide 21st Century Service with 21st Century Capabilities</i>	<p>5.1 – (All bureaus) Effectively implement new Department of Commerce authorities and investments</p> <p>5.2 – (All bureaus) Optimize workforce and diversity, equity and inclusion practices</p> <p>5.3 – (All bureaus) Equitably deliver exceptional customer experience</p> <p>5.5 – (All bureaus) Modernize mission support processes and infrastructure</p>
<i>Goal 3 - Foster an Information Based Blue Economy</i>	<i>Goal 2 - Foster Inclusive Capitalism and Equitable Economic Growth</i>	<p>2.1 – (EDA) Drive equitable, resilient, place-based economic development and job growth</p> <p>2.2 – (EDA, All bureaus) Build sustainable, employer-driven career pathways to meet employer's need for talent and to connect Americans to quality jobs</p>
<i>Operational Excellence All</i>	<i>Goal 1 - Drive U.S. Innovation and Global Competitiveness</i>	<p>1.7 – (NOAA) Advance U.S. leadership in the global commercial space industry</p> <p>1.2 – (NIST) Accelerate the development, commercialization and deployment of critical and emerging technologies</p>
<i>All</i>	<i>Goal 4 - Expand Opportunity and Discovery through Data</i>	<p>4.1 – (OUSA, All bureaus) Implement evidence-based decision making within the Department of Commerce to increase program and policy impact</p> <p>4.3 – (OUSA, All bureaus) Improve Commerce data usability and advance ethical, responsible and equitable data practices</p>



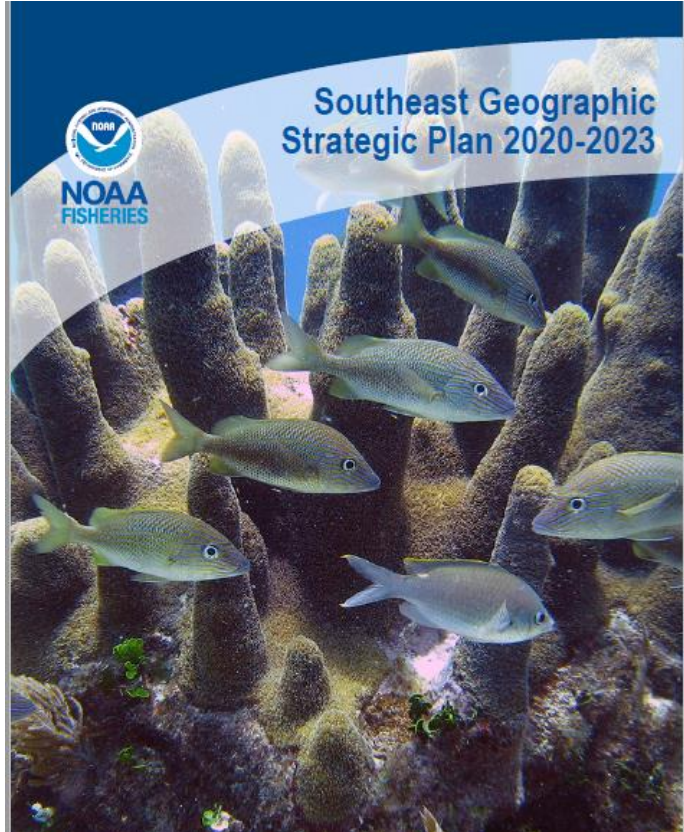
## Through 2026, evidence of progress toward the Protect and Restore Marine Life and Ocean, Coastal and Great Lakes Ecosystems objective will include:

- Restoration results in ecological change and community resilience through habitat-based approaches to rebuild productive and sustainable fisheries, contribute to the recovery and conservation of protected resources and promote resilient ecosystems and communities.
- Communities are engaged in strengthening coastal resilience and economic vitality through the conservation and restoration of coastal ecosystems by pursuing locally-led and collaborative stewardship efforts.

NOAA FY22-26 STRATEGIC PLAN

# Key Strategies

Strategic Goal 1: Amplify the economic value of commercial and recreational fisheries while ensuring their sustainability



## 1.1 Manage stocks for optimum yield

Work with federal, state, and other partners to address priority habitat and ecosystem restoration needs related to increasing diadromous fish access to spawning and nursery habitat.

## 2.1 Stabilize highest priority protected species (All FL and Gulf related)

# Current NOAA Restoration Center Programs

## Transformational Habitat Restoration and Coastal Resilience Grants and Coastal Habitat Restoration and Resilience Grants for Underserved Communities

### Priorities:

- 1) sustaining productive fisheries and strengthening ecosystem resilience;
- 2) fostering regionally important habitat restoration
- 3) enhancing community resilience to climate hazards and providing other co-benefits; and
- 4) providing benefit to underserved communities, including through partnerships with tribes.

## **1. Sustaining Productive Fisheries and Strengthening Ecosystem Resilience.**

- Contribute to the recovery of threatened and endangered species listed under the Endangered Species Act (ESA) Listed Species;
- Sustain or help rebuild managed species which includes benefits to Essential Fish Habitat (EFH)
- Enhance the sustainability of saltwater recreational fisheries by the restoration of habitat that supports the National Saltwater Recreational Fisheries Policy and Implementation Plans;
- Improve habitat to support native fish species of the Great Lakes.

## **2. Fostering Regionally Important Habitat Restoration.**

## **3. Enhancing Community Resilience to Climate Hazards and Providing Other Co-benefits.**

## **4. Providing Benefit to Underserved Communities**





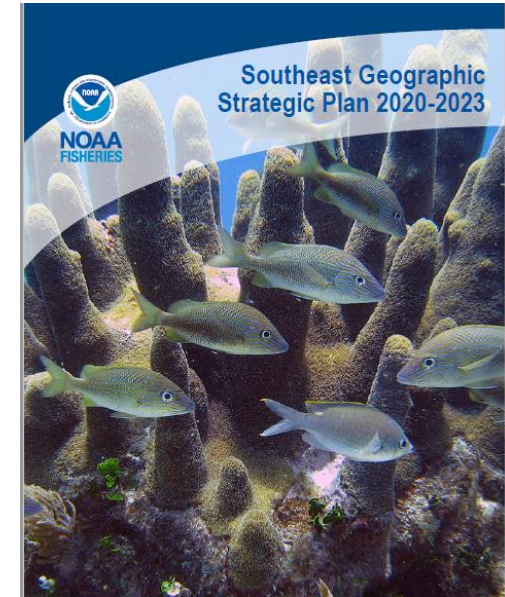




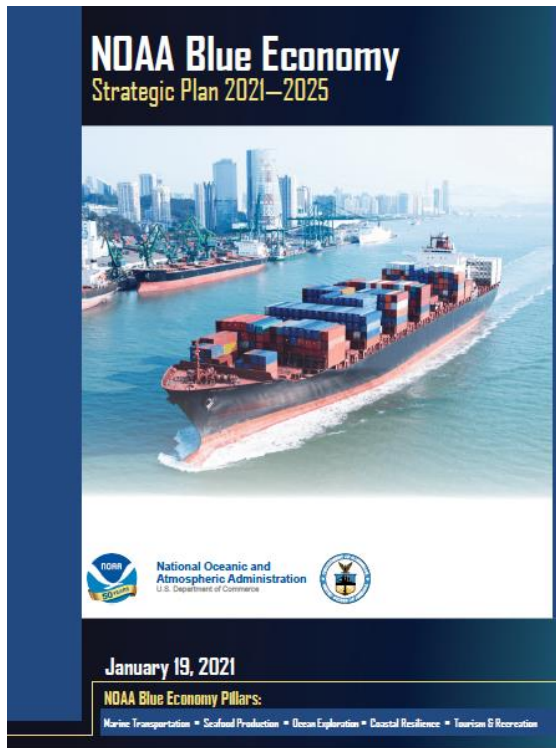
## Strategic Goal 2: Conserve and recover protected species while supporting responsible fishing and resource development

### 2.1 Stabilize highest priority protected species

- Invest in research to improve and guide ESA consultations, recovery plans, and habitat restoration.
- Focus limited resources for Gulf of Mexico Bryde's whale conservation on high-priority areas, such as early engagement in Gulf restoration, advising on the siting of offshore activities that could impact the species, and recovery planning.
- Collaborate to respond to and research the major disease outbreak affecting corals in the Caribbean and along the Florida reef tract; support coral nursery genetic management; collaborate with partners to implement reef-scale coral restoration initiatives that build on recent restoration successes; and research other new interventions, review their policy implications, and develop decision-making frameworks for their use as recommended by the National Academies of Science.
- Support efforts to compensate the public for injuries to protected resources by collaborating with the Office of Habitat Conservation to inform injury assessments and determine appropriate restoration measures.



# NOAA Blue Economy Strategic Plan (2021)



**5.10.2. Action:** Develop a National Goal of increasing wetlands and other protective coastal ecosystems in endangered areas (suffering wetland and marsh losses) and identify partners to support this effort.

Lead Office: NOS Office for Coastal Management

Supporting Offices: National Centers for Coastal and Ocean Science, NOAA Restoration Center, with support from external partners including US Army Corps of Engineers and the National Fish and Wildlife Foundation

Due Date: FY21

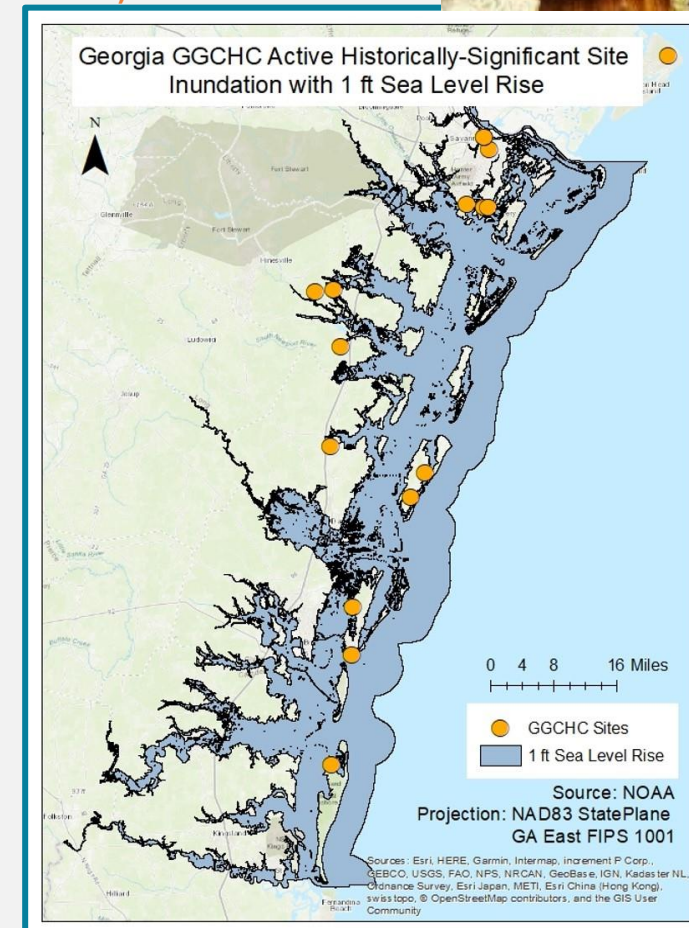
# Environmental Vulnerabilities of the Gullah Geechee Communities in Georgia

Jennifer Colley, Tara Cox, Dionne Hoskins-Brown (2019-GA, 2021-Corridor)



- Mapped community asset data in ArcGIS 10.4
- Used Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model
- Identified Gullah Geechee sites susceptible to inundation for different storm intensities in Chatham County, Georgia.

The **S**ea, **L**ake and **O**verland **S**urges from **H**urricanes (SLOSH) model was developed by the National Weather Service (NWS) and uses information about atmospheric pressure, size, forward speed, and directional track to predict storm surge heights from hurricanes.



**Result: A total of 5 active GA sites predicted to be inundated with just 1 foot of sea level rise.**