



# CAC Spring 2024 Staff updates

Coastal Management Section



# Compliance and Enforcement

Buck Bennett

# Compliance & Enforcement

	2022	2023
Unauthorized Activities	85	148
Waterbottom Lease Fee Per Acre	\$1,290.34	\$1,417.68

01/1/2023 through 12/31/2023	
Compliance Visits	157
Marina Leases	7
Not Built as Permitted	3
Built w/o Permit	46
Other Impacts	74
Sunken Vessels	2

Staff: C&E has 3 full time staff members. C&E Manager and 2 C&E Specialists

Waterbottom Lease Change Updates will be sent out in April 2024 and Lease Invoices will be sent in June 2024. For Profit Marinas with over 500 linear feet of floating docks will be billed.





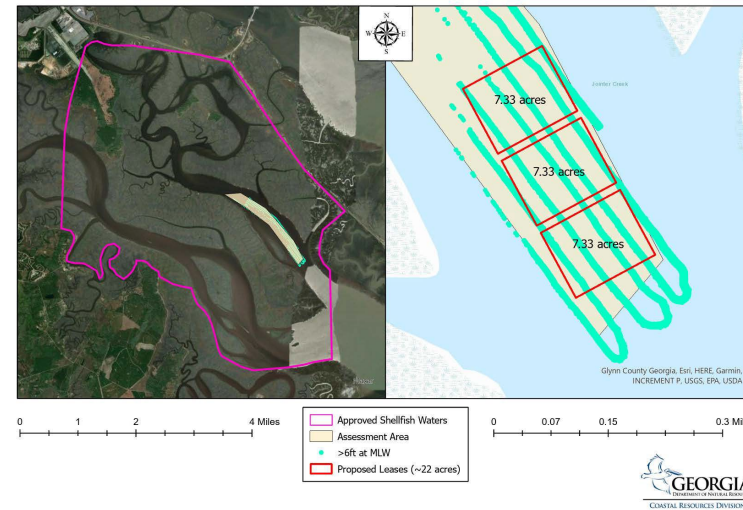
# Shellfish and Water Quality

Kaylan Collins

# Shellfish and Water Quality Program Update

- A total of 21 Master Harvester Permits and 186 individual harvester permits were issued in 2023.
- Program staff continuing to provide technical assistance to lease holders with new shellfish mariculture and cultivation permit applications.
- 5 of 6 Subtidal leaseholders have all required State and Federal Permits and are in the process of putting gear in the water.
- Based on our Shellfish Interest Survey hosted on CRD website we are completing the validation of a new Mariculture Zone in Jointer Creek in Glynn County.
- In cooperation with GA DOA program staff are in the process of establishing guidelines for the Closed Season Harvest of subtidal oysters.
- In partnership with GA DOA and DNR LED in May program staff will conduct annual in-service training with LED staff to provide updates based on the growing industry addressing new gear and husbandry methods they will encounter on the water.

**Proposed Subtidal Leases in Jointer Creek**



Lease ID	Location	Type	Usable Acres
Mud River A1B	Intertidal	Wild Harvest	36
Mud River ADA	Intertidal	Wild Harvest	41
Midway B	Intertidal	Wild Harvest	41
Midway E	Intertidal	Mariculture	5
Midway F	Intertidal	Mariculture	7
Mud River J5	Intertidal	Mariculture	4
Mud River I5	Intertidal	Mariculture	4
Mud River H6	Intertidal	Mariculture	4
Mud River J4	Intertidal	Mariculture	4

Category	Count
Harvest Areas Permitted	21
Permitted Master Harvesters	13
Vacant Leases	6
Intertidal Wild Harvest	16
Subtidal Mariculture	0





# Marsh and Shore Regulatory

Josh Noble

# Marsh and Shore Management Program

Authorization Type	2022	2023
CMPA Permit	16	22
SPA Permit	7	12
Letters of Permission (temporary activities)	106	76
Revocable Licenses* (docks, bank stabilization)	311	208
Jurisdictional Determinations	403	368



# Federal Consistency

Jill Andrews



# Federal Consistency

Authorization Type	2021-2022	2022-2023
Federal Permits	183	276
Direct Federal Actions	25	22
Federal Funding	8	5
Outer Continental Shelf	0	1

## Notable Updates

- Number of project reviews increased by ~1/3.
- Collaboration on Beneficial Use of USACE dredge materials has increased significantly: AIWW, Savannah Harbor, Kings Bay Naval Base, Manomet
  - Coordinated WRD and USACE for disposal of material for bird islands at Cumberland Dividings
- Uptick in number of tidal mitigation bank proposals: 8 banks currently under review
- Numerous GDOT bridge project early coordination requests.





# Wetland Health and Restoration

Jaynie Gaskin



# Wetlands

## Ecological Lift Study



Completion of 3+ Year Project

## Restoration & Marsh Health



UAV Monitoring

Coastal Aquatic Barrier Survey

## Outreach & Technical Assistance



GADNR Board Employee Spotlight

## DNR Career Academy



Class of 2024



Marsh Clean-Up



US EPA Presentation



SASMI Workshop





# Coastal Aquatic Barrier Survey

Ava Meier



# Culvert Assessments



## Stream Types:

- Freshwater Tidal
- Salt Marsh
- Freshwater/Brackish

1. Inventory
2. Prioritization



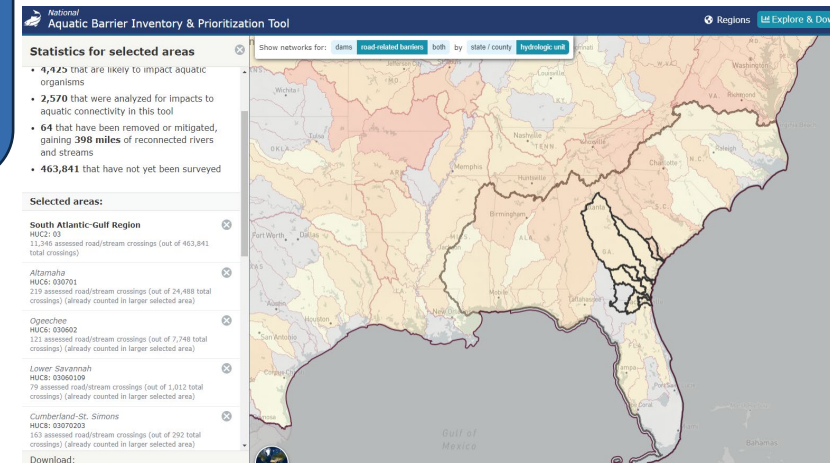
## Surveys:

- Physical measurements (width, height, length, etc.)
- Stream/channel measurements
- Environmental measurements (High/low tide, etc.)



## Scores:

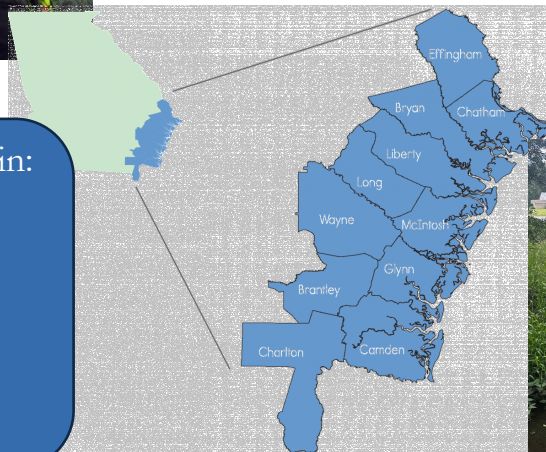
- Insignificant
- Minor
- Moderate
- Significant
- Severe



**Total: 710 barriers assessed**

## Counties surveyed in:

- Camden
- Glynn
- McIntosh
- Chatham
- Liberty County
- Wayne







# Wetland Policy and Living Shorelines

Meghan Angelina



# Wetlands Policy and Living Shorelines

## Living Shorelines

- Three living shoreline site visits and three consultations over the last year
- Living Shoreline Trainings for Engineers, Contractors, and Local Governments
- Attended and presented at Restoring America's Estuaries' Living Shorelines Tech Transfer in Galveston, Texas.
- CRD's Living Shorelines StoryMap
- The Living Shorelines Workgroup
  - Meeting November 2023
- SURPASS' regulatory best practices for living shorelines.
- Ossabaw Island Living Shoreline
- Harris Neck Living Shoreline
- Crooked River Living Shoreline
- Seabrook Village Living Shoreline

## Living Shorelines Site Suitability, Standards, and Best Management Practices



### **LIVING SHORELINES IN COASTAL GEORGIA**

A Comprehensive Guide to Understanding & Designing Living Shorelines on the Georgia Coast  
2024



CRH  
June 2023



CRH  
August 2023



CRH  
March 2024

## The 2023 Coastal Georgia Ecosystem Report Card

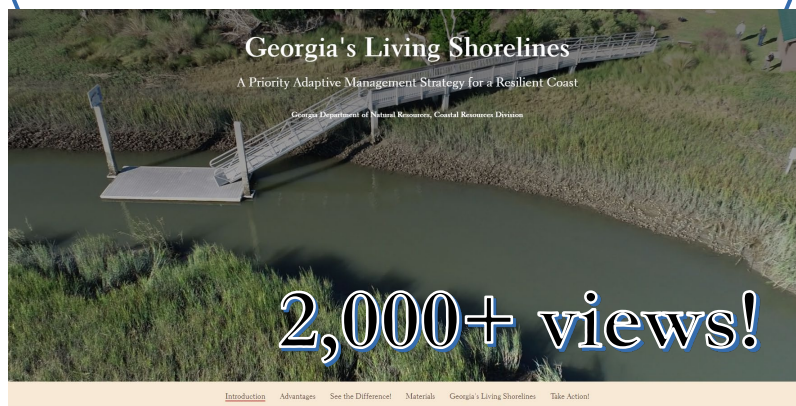


## Shoreline Policy and Resilience Review Team (SPRRT)



## Wetlands Research Advisory Committee (WRAC)

13 WRAC requests and about five consultations over the last year







# GIS/UAV

Max Kleinhans

# GIS/UAV Operations

Updating public-facing data portals and websites.

Georgia Coastal Resiliency Hub

For the 2020-2021 CIG cycle, 10 projects were newly funded by the Coastal Management Program. The CIG projects fit into one of five themes defined by the CIG program (below). They can also be categorized as Research, Non-Research, and 306A/Low-cost Construction (below, right), and by applicant type (below, far right).

Public Access & Land Conservation: 0

306A/Low-Cost Construction: 0

Government Agency: 0

Sustainable Communities: 2

Disaster Resiliency & Coastal Hazards: 2

Non-point Source Pollution: 2

Research: 5

Non-Research: 5

Local Government: 3

Oceans & Wetlands: 4

Education & Research Institutions: 7

Coastal Resiliency

The Earth's changing climate is one of coastal Georgia's greatest environmental

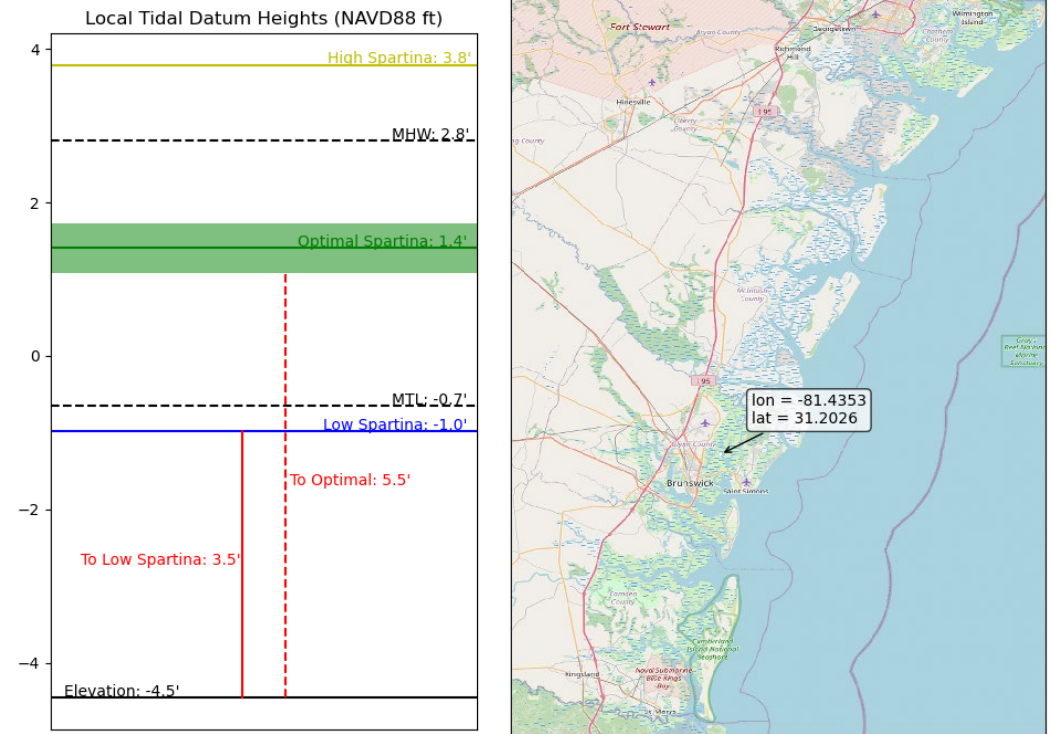
Coastal Resiliency Hub

CIG Storymaps

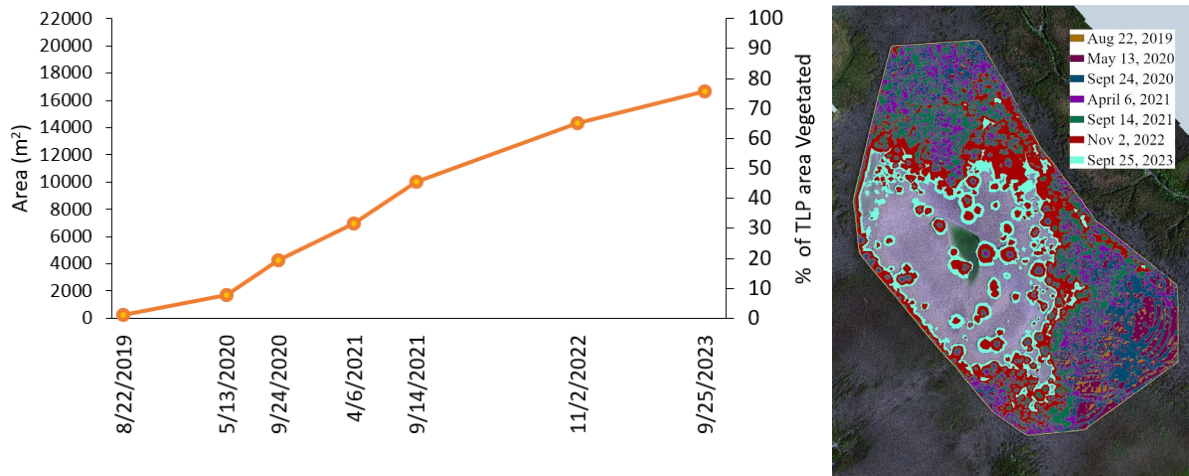


Concluded UAV imagery collection for marsh vegetation health assessment at altered and unaltered sites on Sapelo Island

Developing optimal spartina growth elevation visualization tool



Annual capture of UAV imagery at Thin Layer Placement site at Jekyll Creek





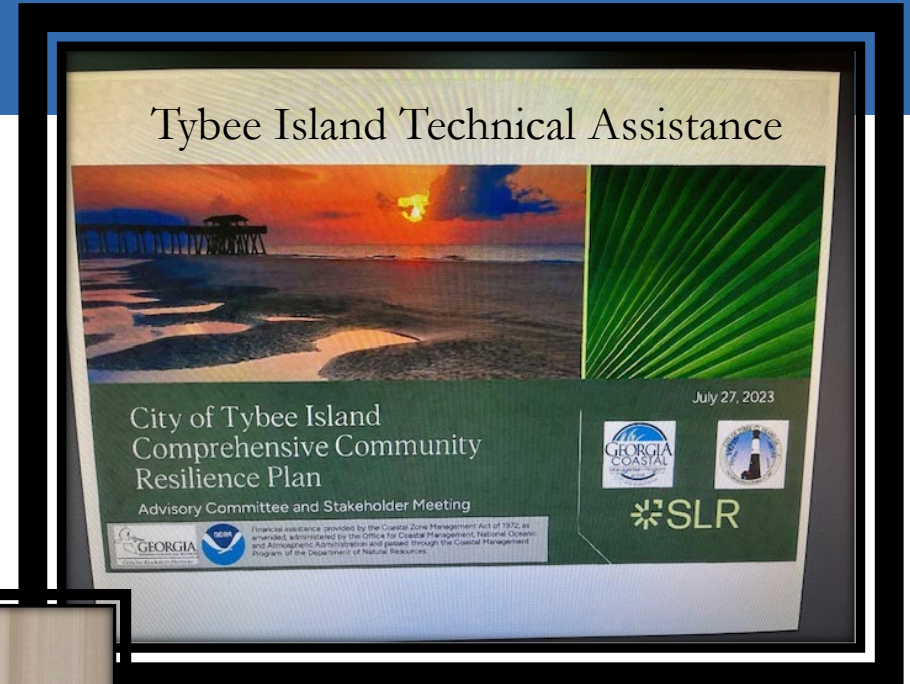
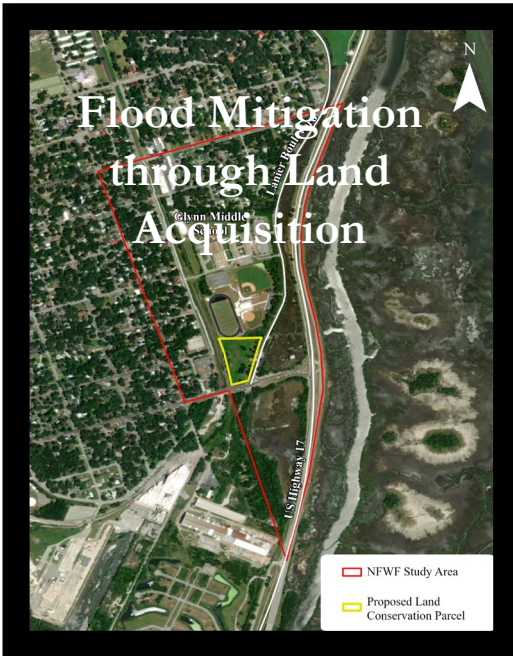


# Coastal Hazards

Jennifer Kline



# Coastal Hazards







# Green Growth

Kelly Hill



# Green Growth



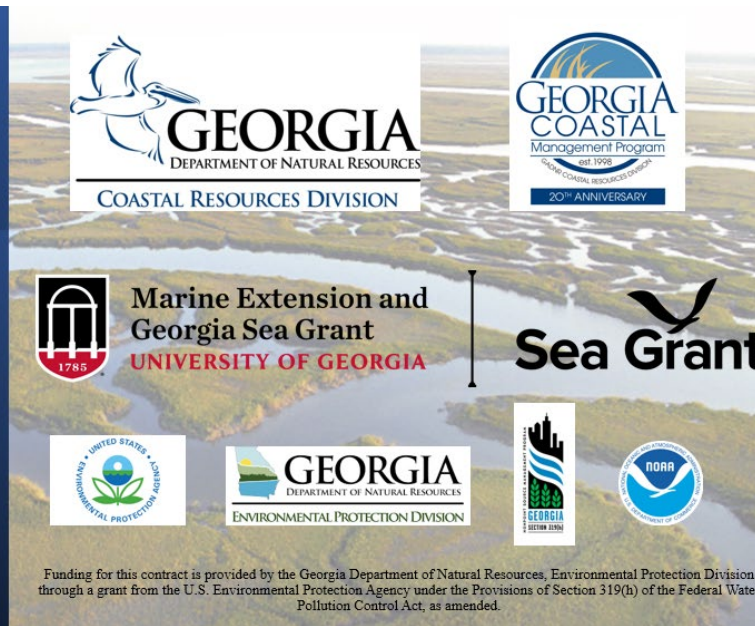
**Flood Strategy  
Open House**

5 - 7 p.m. Tuesday, April 30  
Howard Coffin Park Gymnasium  
1402 Sonny Miller Way in Brunswick

Updates to the  
Coastal  
Stormwater  
Supplement (CSS)

Project Kickoff  
Meeting

August 17<sup>th</sup>, 2023



GEORGIA  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESOURCES DIVISION

GEORGIA  
COASTAL  
Management Program  
est. 1972  
20<sup>th</sup> ANNIVERSARY

Marine Extension and  
Georgia Sea Grant  
UNIVERSITY OF GEORGIA

Sea Grant

GEORGIA  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

NOAA

Funding for this contract is provided by the Georgia Department of Natural Resources, Environmental Protection Division through a grant from the U.S. Environmental Protection Agency under the Provisions of Section 319(h) of the Federal Water Pollution Control Act, as amended.

**Coastal Low Impact Development Best  
Management Practices Inventory**  
*2022 Summary Report*



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NOAA

Marine Extension and  
Georgia Sea Grant  
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Sea Grant

GMC




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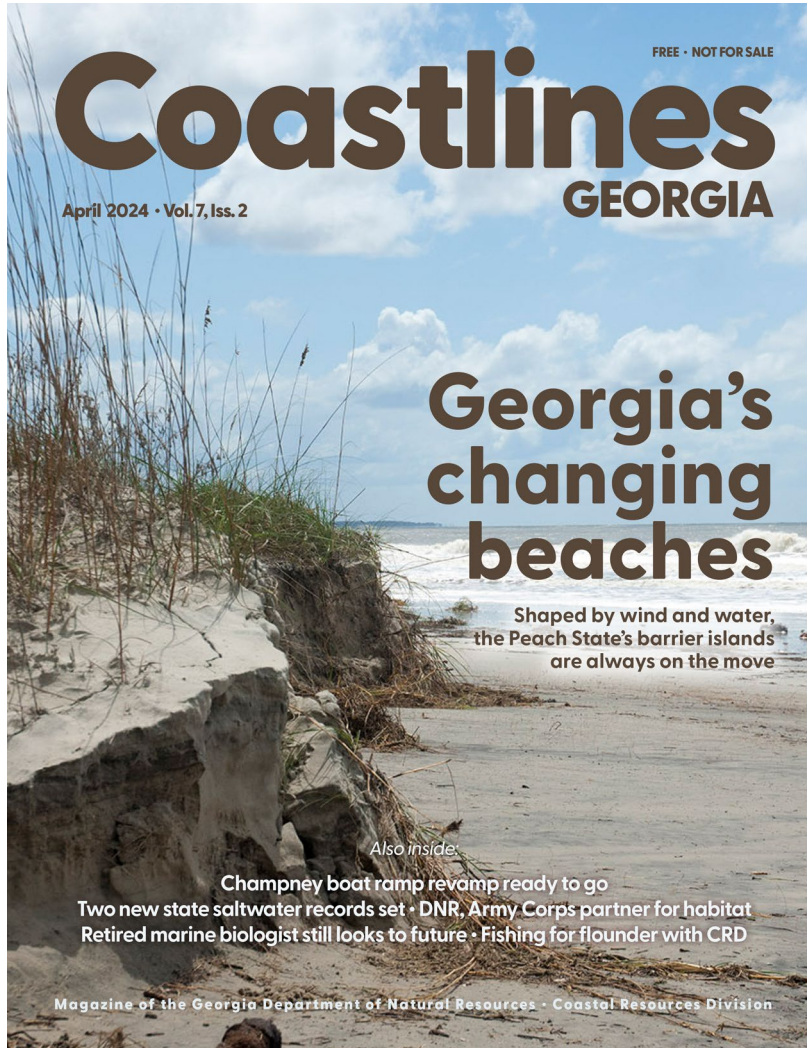


# Communications & Outreach

Tyler Jones



# Communications & Outreach



## April Edition

- Champney Boat Ramp upgrades
- Cumberland Dividings habitat project
- New state records
- Feature: Our Changing Beaches
- DNR prioritizes disables access to outdoors
- Next edition: July 25



## CoastFest is back!

- 10 a.m. – 4 p.m. Saturday, October 5, 2024
- Mary Ross Park

## Report Card

- Grade “B” (78%)
- Release April 18



# Grant Administration

Shy Duncan



# Grant Administration

- 8 Pre-applications were received for Cycle 27
- 5 were invited to submit a full application
- All 5 full applications were submitted on February 9<sup>th</sup>.
- CIG 5 Review Team met on March 18<sup>th</sup> approving/recommending 4 applications for full funding.
  
- It was a slower year for CIGs however, there was a lot of money available in the realm of grants.

The following projects began October 1, 2024:

Applicant	PI	Title
City of Brunswick	Garrow Alberson	Rethinking Runoff - Phase II
UGA	Clark Alexander	Filling Critical Data Gaps in the Distribution of Sand Resources in State Waters to Enhance Coastal Management in Georgia
UGA	Katie Hill	Marsh Migration and Blue Carbon: Scientific and Legal Research to Inform Coastal Management
UGA	Nina Sassano	Exploring from within: A Living Shoreline Exhibit at the UGA Marine Education Center and Aquarium
UGA	Jessica T. R. Brown	Stormwater Education Campaign Needs Assessment
Chatham County	Jackie Jackson	Reactive & Proactive Response to Climate Change: Chatham County's Code Analysis & Recommended Changes
UGA	Matthew V Bilskie	Establishment of a Continuous Beach Observation and Real-Time Coastal Inundation Forecasting System (CO-IFS)
UGA	Nina Sassano	Building Georgia's oyster ( <i>Crassostrea virginica</i> ) management capacity through shell recycling and novel mound reef restoration