CAC Spring 2022 Staff updates

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

2 Staff members are FAA Part 107 certified UAV/drone pilots.

Waterbottom Lease Fee Invoices will be sent out in June 2022. For Profit Marinas with over 500 linear feet of floating docks will be billed.

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2022 (YTD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unauthorized Activities</td>
<td>147</td>
<td>40</td>
</tr>
<tr>
<td>Waterbottom Lease Fee Per Acre</td>
<td>$1,223.62</td>
<td>$1,290.34</td>
</tr>
</tbody>
</table>

10/01/2021 through 3/31/2022

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Compliance Visits</td>
<td>57</td>
</tr>
<tr>
<td>Marina Leases</td>
<td>4</td>
</tr>
<tr>
<td>Not Built as Permitted</td>
<td>18</td>
</tr>
<tr>
<td>Built w/o Permit</td>
<td>60</td>
</tr>
<tr>
<td>Other Impacts</td>
<td>49</td>
</tr>
<tr>
<td>Sunken Vessels</td>
<td>3</td>
</tr>
</tbody>
</table>

Data Current as of 4/27/2022
Shellfish and Water Quality

Dominic Guadagnoli
The effective date for the new shellfish code was March 1, 2020.

A new Shellfish Mariculture Permit (SMP) required for all lease holders who engage in mariculture.

A new Shellfish Cultivation Permit (SCP) required for all lease holders who engage in traditional cultivation of wild shellfish beds.

SMP and SCP also require an Army Corp of Engineers (ACOE) permit prior to deploying any materials and/or mariculture gear into lease areas.

Program staff continuing to provide technical assistance to existing and new lease holders with new shellfish mariculture and cultivation permit applications.

Five new intertidal leases issued in 2020, 3 in McIntosh and 2 in Bryan county.

The Shellfish and Mariculture Advisory Panel convened in spring of 2021.

A virtual public meeting was held in March 2021, to provide a program overview and maps of the proposed Mud River subtidal lease locations.
The lottery opened in May 2021; three new subtidal lease holders were selected in June in the Mud River Mariculture Zone.

A second virtual public meeting was held in November 2021, to provide a program overview along with maps of proposed subtidal lease locations in Bull River in Chatham County.

The lottery opened in December 2021; three subtidal lease holders were selected in February 2022 in the Bull River Mariculture Zone.

A Shellfish Program Policy Manual was completed and posted on the CRD website in early May 2021.

A new shellfish survey was also posted to gather feedback from prospective growers to guide future siting of leases.

Plans for offering additional traditional and mariculture intertidal lease opportunities coming soon along with a new leasing dashboard.

A joint vibrio validation study will be conducted by UGA, CRD and DOA during summer of 2022 to gather vibrio data from oysters from a variety of floating gear types.
Marsh and Shore Regulatory

Josh Noble
### Marsh and Shore Management Program

<table>
<thead>
<tr>
<th>Authorization Type</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPA Permit</td>
<td>23</td>
<td>8</td>
</tr>
<tr>
<td>SPA Permit</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>Letters of Permission (temporary activities)</td>
<td>141</td>
<td>184</td>
</tr>
<tr>
<td>Revocable Licenses* (docks, bank stabilization)</td>
<td>315</td>
<td>334</td>
</tr>
<tr>
<td>Jurisdictional Determinations</td>
<td>404</td>
<td>517</td>
</tr>
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</table>
Federal Consistency

<table>
<thead>
<tr>
<th>Authorization Type</th>
<th>2020-2021</th>
<th>2021-2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Permits</td>
<td>82</td>
<td>126</td>
</tr>
<tr>
<td>Direct Federal Actions</td>
<td>14</td>
<td>19</td>
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<tr>
<td>Federal Funding</td>
<td>45</td>
<td>20</td>
</tr>
<tr>
<td>Outer Continental Shelf</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Notable Updates (FY 2021-2022):
- Federal Permits increased 3-fold in the past 6-months due to significant changes in how USACE processes private docks.
- Beginning Feb 2022, all Nationwide Permits in tidal areas require individual FC.
- Process change in Fall 2021 to federal funding reviews reduced burden of responding to requests from outside of the Coastal Zone.

Notable Reviews
- Camden County Spaceport – Concurred 7/8/21
- Brunswick Harbor Modification Study - Conditional Concurrence
Wetlands

Jaynie Gaskin
Hydrogeomorphic Evaluation: Little St. Simons Island

Assess functional condition of wetland based on:
- Geomorphic Setting
- Water Source
- Hydrodynamics

Monitoring & Restoration with Georgia Power

Thin-Layer Placement & Control Sites, Jekyll Marsh

Hydrology Assessment:
- Degree, Duration & Period
- Ten Monitoring Wells
- Pressure & Temperature
- Every 30 Minutes for 1 Year
Wetlands

**Wetlands Research Advisory Committee (WRAC)**
- 8 WRAC requests since September 2021

The 2021 Coastal Georgia Ecosystem Report Card
- Released on April 22, 2022
- Overall score of an 81%, a good score based on twelve indicators

**The Georgia Flood Literacy Project**
- Flood Literacy Taskforce
- Presentations
  - Georgia Climate Conference (Aug 2021)
  - Urbana Perry Neighborhood Planning Unit (Oct 2021)
  - 2022 CAC Winter Meeting (Feb 2022)
  - CRD Brownbag Presentation (Feb 2022)
  - Poster – SEERS Annual Meeting (March 2022)
  - GAFM Annual Meeting (April 2022)
- 2022 ASFPM award recipient

**Living Shorelines**
- 7 living shoreline site visits including two potential projects at Fort Frederica and Guale Preserve
- EWN proposal – 2023 start date
- The Living Shorelines Workgroup
  - Upcoming meeting May 2022
  - Plans to create a document titled, “Twelve Years of Living Shorelines in Georgia”
Coastal Hazards

MINIMIZING GEORGIA’S RISK
MAXIMIZING GEORGIA’S FUTURE

POST-DISASTER RECOVERY & REDEVELOPMENT PLANNING
A Guide for Georgia’s Communities

SLAMM update

AMBUR update
Green Growth

Kelly Hill
Green Growth

Build Your Own Rainbarrel Workshops

costalgadnr.org/RainBarrelWS

Coastal Low Impact Development (LID) Best Management Practices Inventory Summary Report

Prepared for Georgia Department of Natural Resources, Coastal Resources Division

Prepared by Marine Extension and Georgia Sea Grant in partnership with Ecological Planning Group, LLC

March 30, 2016

costalgadnr.org/DemoSites

Brownbags are Back!
Sea Grant State Fellow

Shannon Matzke
Resiliency Programs

**Georgia Clean Marina Program**  
Stakeholder input led to an update of the existing program. We have updated the checklist and implementation plan and are currently working to purchase flags for certified marinas.

[gadnr.org/cleanmarina](gadnr.org/cleanmarina)

**Coastal Resiliency Hub**  
Esri product that houses GCMP resiliency information.

**NPS Articles**  
Content that will help to showcase the work GCMP does to stem NPS pollution. Clean Marina, LID, 309 project, Rain Barrel workshops. Featured in *Coastlines*.

**Resilient Docks Guidance**  
What are best practices to follow when building a private dock?
Communications & Outreach

Tyler Jones
Communications & Outreach

**Coastlines GEORGIA**
Launches May 6

**COASTAL GEORGIA Ecosystem Report Card 2021**
Released April 22

**COAST FEST**
Save the date: 10 a.m. – 4 p.m. Oct. 1

**Georgia DNR Career Academy**
July 17-23
Grant Administration

Jan Mackinnon
New online portal was implemented successfully

23 Pre-applications were received for Cycle 25, of which 14 were invited to submit a full application. 13 Cycle 25 CIG full applications were submitted and reviewed by the CIG Technical Review Committee, of which 9 were recommended for funding and will be submitted to NOAA for review and approval.

https://dnrintranet.org/sites/default/files/dnrnet/pdf/DNR_Vacancy_Announcement.pdf

<table>
<thead>
<tr>
<th>Applicant</th>
<th>PI</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chatham County</td>
<td>Jeff Kirkland</td>
<td>Green Infrastructure to Address SLR Vulnerabilities in Chatham County</td>
</tr>
<tr>
<td>City of Brunswick</td>
<td>J. Garrow Alberson</td>
<td>Improving Resilience in West Brunswick</td>
</tr>
<tr>
<td>UGA</td>
<td>Clark Alexander</td>
<td>Assessing Trends in Sediment Accumulation Rates for Georgia Marsh Sustainability</td>
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<tr>
<td>UGA</td>
<td>Jessica Brown</td>
<td>Stormwater Best Management Practice Inspection and Maintenance Course</td>
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<tr>
<td>GA Tech</td>
<td>Tony Giarrusso</td>
<td>Coastal Georgia 2009-2019 Tree Canopy Assessment, Change Detection, Outreach and Training</td>
</tr>
<tr>
<td>UGA</td>
<td>Eugene Frimpong</td>
<td>Estimating the Economic Benefit and Impact of Artificial Reefs in Georgia</td>
</tr>
<tr>
<td>UGA</td>
<td>Clark Alexander</td>
<td>Filling Critical Data Gaps to Enhance Coastal Management in Georgia: Sand Resources</td>
</tr>
<tr>
<td>UGA</td>
<td>Kimberly Andrews</td>
<td>Assessing Impacts to Community Infrastructure and Coastal Habitats from Flooding and Shoreline Change: The Science and the Engagement</td>
</tr>
<tr>
<td>UGA</td>
<td>Nina Sassano</td>
<td>Exploring from within: A LS exhibit at UGA MECA</td>
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