



Coastal Georgia

- Largest state east of the Mississippi
- Coast is 2nd fastest growing region in the state
- Coastal population to double over next 40 years
- Ports and military bases
- Economically challenged coastal counties
- Largest salt marsh estuaries in continental U.S., aside from Louisiana









PROGRAM INTEGRATION

- Moved under VP for Public Service and Outreach (2012)
- Mark Risse appointed Director of Marine Outreach Programs (Georgia Sea Grant and Marine Extension) (2013)
- Chuck Hopkinson and David Bryant retired (Jan. 2015 and Sept. 2014)
- Mona Behl hired as new Associate Director of Georgia Sea Grant (March 2015)
- Georgia Sea Grant and MAREX integrated into single, cohesive program









Strategic Planning

"An exemplary process that is offered as a best management practice to Sea Grant programs, as well as other extension and outreach organizations..."

- 2010 Site Review Team

- Partnership with NOAA's Office for Coastal Management
- Assessing coastal needs:
 - Online survey with SINERR and DNR-CRD
 - Targeted surveys for seafood inspectors and seafood dealers
 - Dock visits to speak with shrimpers
 - Internal staff meetings to assess strengths, weaknesses and capacity
- Strategic Planning Workshop and two-day staff retreat



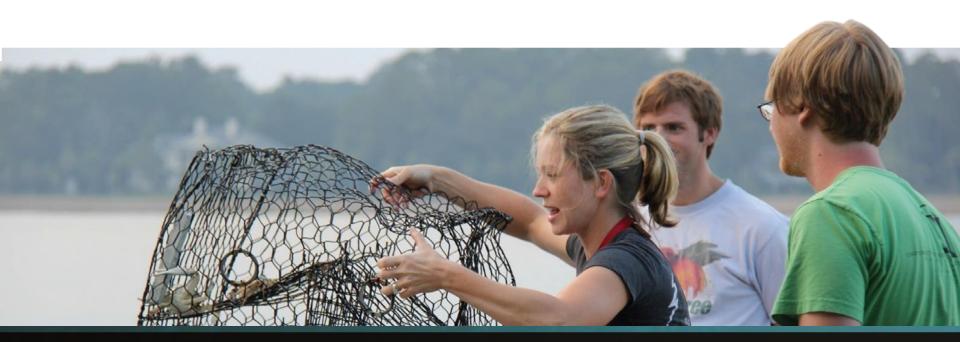






Strategic Planning

- 1. Environmental Literacy and Workforce Development
- 2. Resilient Coastal Communities and Economies
- 3. Healthy Coastal Ecosystems
- 4. Sustainable Fisheries and Aquaculture











Environmental Literacy & Workforce Development

GOAL 1: A public that has a good understanding of basic concepts of ocean and coastal literacy, supported by lifelong formal and non-formal education opportunities

diversity of Georgia, skilled in science, technology, engineering, mathematics and other disciplines critical to Georgia Sea Grant and MAREX's mission

GOAL 2: A future workforce, reflecting the













Youth Ocean Conservation Summit

Empowering the next generation of ocean conservationists!



Learn about current environmental issues from experts in the field

Brainstorm and develop communitybased ocean conservation projects





Build skills to successfully lead conservation projects

Connect with peers and professionals committed to protecting marine ecosystems







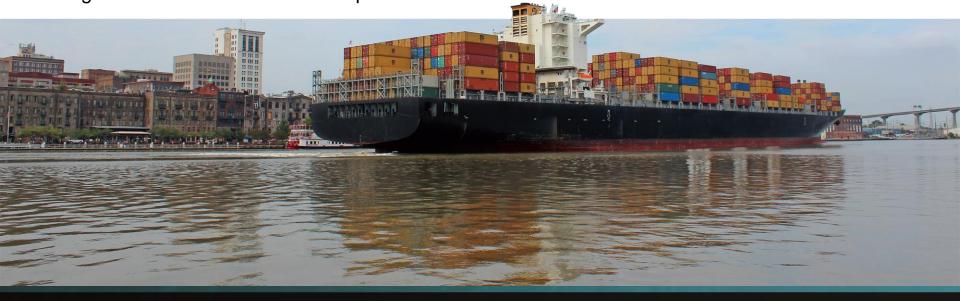


COMMUNICATIONS

GOAL 1: Support Georgia Sea Grant research, education and outreach to meet the goals of our Strategic Plan through effective messaging and strategic communication efforts.

changes of behavior, implement policy and enable decision making toward a sustainable coastal environment and economy.

GOAL 2: Utilize diverse mediums to reach targeted audiences in order to help motivate

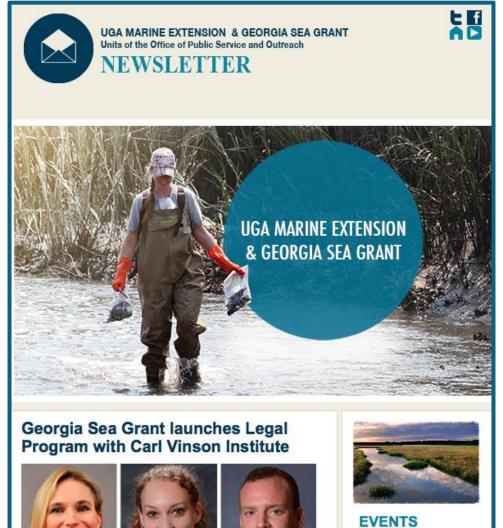


















Deadline to be included in the April 1 lottery for Summer Marine Science

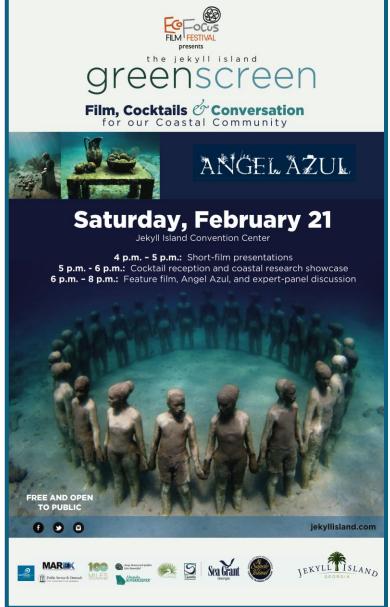
March 31



Suzanne VanParreren

Coastal Training Coordinator, Sapelo Island National Estuarine Research Reserve Stakeholder















Current Georgia Sea Grant

Research

Adding dynamic information to resiliency planning: wetland mitigation and open space opportunities

Liz Kramer, University of Georgia; Craig Landry, University of Georgia; Shana Jones, University of Georgia

Black Gill Disease in Georgia Shrimp: Causes, Distribution, and Transmission

Marc Frischer, Skidaway Institute of Oceanography; Richard Lee, Skidaway Institute of Oceanography

Can the local food movement be an opportunity for Georgia seafood producers to participate in the inland seafood market?

Tracy Yandle, Emory University; Peggy Bartlett, Emory University

Closing the water budget for the Satilla Basin, Georgia Marc Stieglitz, Georgia Institute of Technology; Elizabeth Kramer, University of Georgia Coastal Georgia Regional Wastewater Planning

Laurie Fowler, University of Georgia; Katie Sheehan, University of Georgia

Creating a Model System for Sustainable Development: Striking a Balance Between the Ecological, Economic, and Social Needs of Jekyll Island State Park

Kimberly Andrews, University of Georgia; Katie Mascovich, University of Georgia; Tracey Tuberville, University of Georgia

Increased Tidal Flooding in Coastal Georgia: Assessing the Barriers and Value of Acquiring and Relocating Property

Scott Pippin, University of Georgia; Shana Jones, University of Georgia

Planning for Competitive Port Expansion on the U.S. Eastern Seaboard: The Case of the Savannah Harbor Expansion Project (SHEP)

Stephen Ramos, University of Georgia









Sustainable Coastal Development

GOAL 1: Coastal Georgia communities that understand the value and benefit of sustainable land use practices and their connection to healthy ecosystem

GOAL 2: Coastal Georgia communities that make efficient use of land, energy and water in order to conserve and protect the resources needed to sustain coastal ecosystems and quality of life

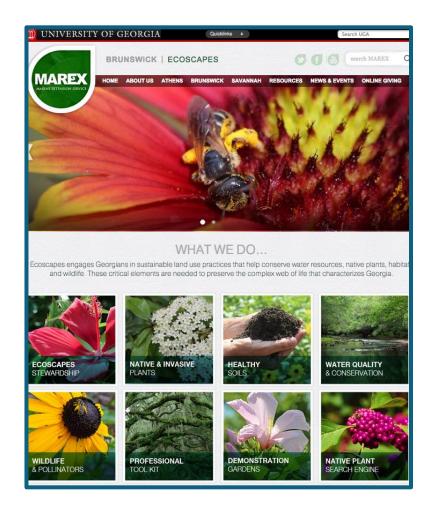
GOAL 3: Georgia coastal communities that recognize the complex inter-relationships between social, economic and environmental values in coastal areas and work together to balance multiple uses and optimize environmental and economic sustainability



















Hazard Resiliency in Coastal Communities

GOAL 1: Widespread understanding of the climate-related risks associated with living, working and doing business along the Georgia coast

GOAL 2: Increase community capacity to prepare for and effectively respond to hazardous events























Bob Nutter St. Marys City Councilman *Stakeholder*











Healthy Coastal Ecosystems

GOAL 1: Increased understanding of ecosystem-based approaches to sustain healthy, diverse, and abundant populations of fish, wildlife, and plants, and provide valuable ecological services

GOAL 2: Increased use of ecosystem-based

and ecosystem-services approaches to managing land, water, and living resources in the coastal area

GOAL 3: Restored function of degraded ecosystems











Lea King-Badyna
Executive Director,
Keep Golden Isles Beautiful
Stakeholder





Bobby Haven/The Brunswick News photos Keep Brunswick-Golden Isles Beautiful Executive Director Lea King-Badyna, left, presents Elisa Shaw of Ludowici with a pocket ashtray Wednesday at the St. Simons pier.

Initiative seeks to keep Isles clean, free of cigarette butts

Groups picks up discarded leftovers, hands out pocket ashtrays

By MICHAEL HALL The Brunswick News

When Lea King-Badyna saw Elisa Shaw of Ludowici smoking a cigarette Wednesday by the St. Simons Island Pier, she quickly took Shaw a pocket ashtray for the butt.

King-Badyna was pleased to find out Shaw chose the bench she was sitting on because it was near one of the receptacles recently placed in the pier area to cut down on litter in the area. Still. King-

Badyna gave Shaw a pocket ashtray, a small, ovalshaped device that clips shut tightly, so Shaw won't have to throw her cigarette butts on the ground.

The exchange was part of a joint initiative by Keep Brunswick Golden Isles Beautiful, the organization King-Badyna heads, the University of Georgia Marine Extension Service and the Georgia Sea Grant to encourage people to keep their cigarette butts off the ground and especially out of

Please see CLEAN, 7A



Natalie Taylor, an intern with The University of Georgia Marine Extension Service, holds up a container filled with cigarette butts she and others collected Wednesday at the entrance to the St. Simons pier.







Sustainable Fisheries & Aquaculture

GOAL 1: A sustainable supply of safe, local seafood to meet public demand

GOAL 2: A thriving Georgia seafood industry that harvests, produces, processes and markets seafood responsibly and effectively

GOAL 3: Informed consumers who understand the importance of ecosystem health and sustainable harvesting practices to the future of Georgia fisheries, who appreciate the health benefits of seafood consumption and who understand how to evaluate the safety and sustainability of the seafood they buy

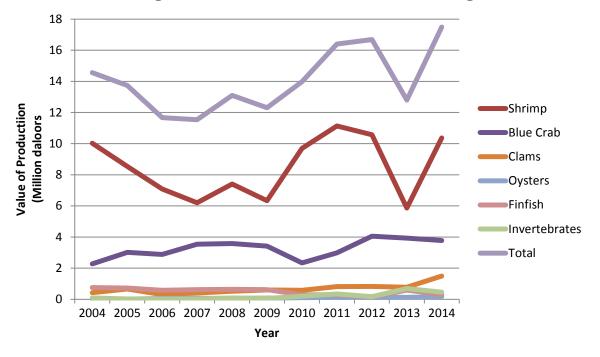




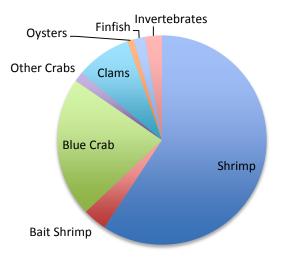




Georgia Commercial Seafood Landings



2014 Seafood Landings









TED. This new design features:

* an even bigger escape opening

⇒ smaller (2 inch) bar spacing and

reinforced stainless steel =

reduced bycatch!

Three generations

DID YOU KNOW...BIG BOY VS. INDUSTRY STANDARD

BIG BOY TED

BIG BOY

Developed by Sinkey Boone

INDUSTRY STANDARD

The University of Georgia's Marine Extension Service is conducting research to compare the bycatch reduction potential of the Big Boy TED with the industry standard.

RESULTS

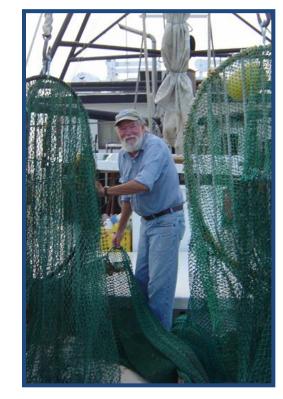
Out of 44 two-hour paired tows:

⇒ No sea turtles were captured by either TED.

BIG BOY

- Never captured a horseshoe crab (eggs are important for migratory shorebirds)
- 15 % reduction in bycatch of sharks, rays,
- ★ 46.6% reduction of total bycatch biomass
- On average, catches slightly more shrimp

 \star In the summer of 2008, the Big Boy passed testing for national certification. \star





Howell Boone Shrimper Stakeholder



















Shellfish

- Oyster Hatchery
- Living Shorelines









