Florida Department of Environmental Protection





GTMNERR IGNITE!

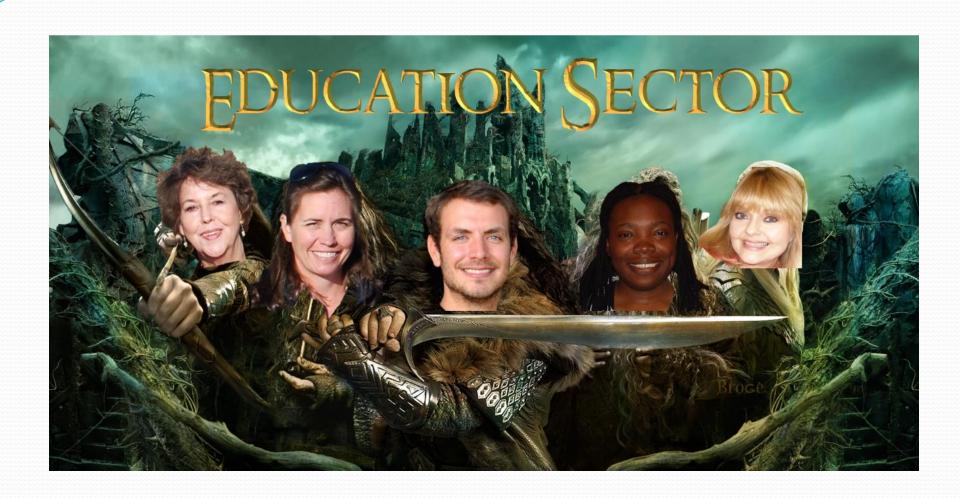






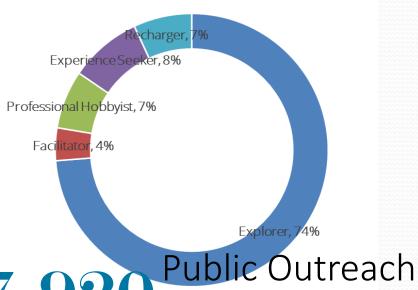






Education Sector





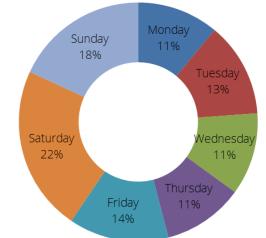
Participants

Thursday
11%

Visitor Center

Walk-Inc





3

Grants Awarded

Salt Marsh Nursery Program

Florida DEP-Mini Grant NNOCCI Study Circle



3/10/2020 4

Adventures in the Estuary Summer Camp

SUMMER 2013

One-week day camps

119 Campers 7-12 y.o.

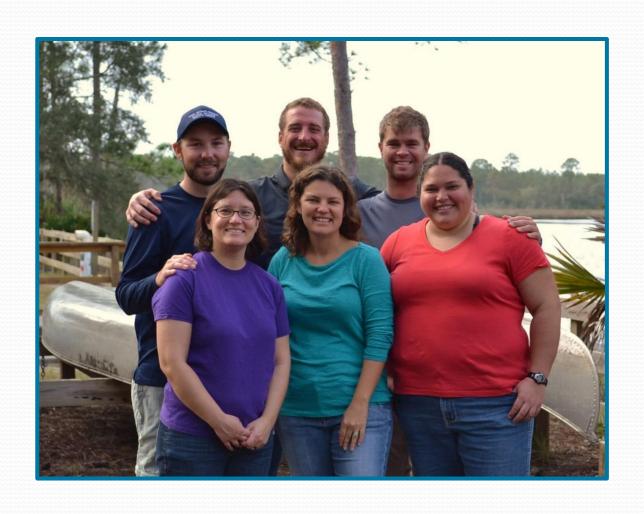
SUMMER 2014

6 One-week day camps

150 Campers 7-12 y.o.

Revenue generated supports educational efforts including paid internships (2015).

GTMNERR Research



GTMNERR Research

Long-term Monitoring

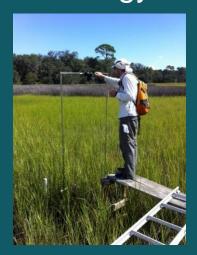
weather



water quality



biology



Mangroves





Poleward expansion of mangroves is a threshold response to decreased frequency of extreme cold events

Kyle C. Cavanaugh^{a,b,1}, James R. Kellner^b, Alexander J. Forde^c, Daniel S. Gruner^d, John D. Parker^a, Wilfrid Rodriguez^a, and Ilka C. Feller^a

*Smithsonian Environmental Research Center, Smithsonian Institution, Edgewater, MD 21037; *Department of Ecology and Evolutionary Biology, Brown University, Providence, RI 02912; *Graduate Program in Behavior, Ecology, Evolution, and Systematics, University of Maryland, College Park, MD 20742; and *Department of Entomology, University of Maryland, College Park, MD 20742.

ZAZ

Oysters



- Ecosystem services
- Mapping
- Monitoring
- Recruitment, disease,
 predation, harvesting









Education











- Invasive Exotic Plant Removal Task Force
 - Invasive Exotic Animal Removal Task Force
 - Trail and Beach Monitoring
 - Volunteer Ranger
 - Carpentry
 - Kiosk and Boardwalk Repair







Administration

Front Desk Greeter

Data Entry



Nature Store Clerk Answering Telephones

Filing





Aquatic Preserves

Andrea Small



Lauren Flynn



Installed New Cultural Heritage Exhibit



Installed New Cultural Heritage Exhibit

Historical Marker



Overlook rebuilt, renamed and dedicated to the sponsors



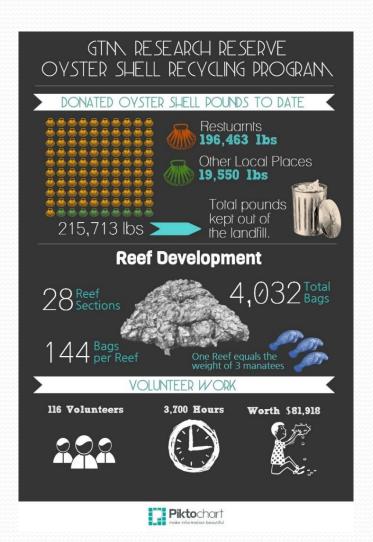
Statue



Bilingual Interpretive panels



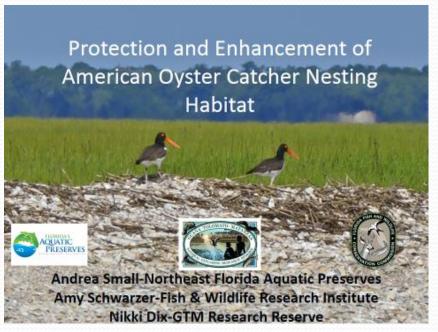
Oyster Shell Recycling and Reef Building



- 5 restaurants donated over 100,000 lbs of shell
- 1 truck and several dedicated volunteers making 3 restaurant trips per week
- Over 52 tons of shell diverted from land fills
- 96,000 lbs of shell already put back in the waterways where it belongs

What's Next

Coordinated efforts to protect and restore endangered habitats



Continue oyster shell recycling to install More oyster reefs





Resource Management



Facilities and Public Use

- 10 miles of multi-use trails
- 3 beach parking areas accessing 4 miles of unspoiled beach
- 3 paved boat launch
- Environmental Education Center
- Dormitory for visiting researchers





Land Management

Habitat Restoration

- Achieved through prescribed fire
- Mechanical
- Exotic removal or control



Exotic Species

- Active management
- Exotic Grasses
- Feral pig



Coastal Training Program (CTP)



CTP Bridges the Gap Between Science and Application

Mission: to provide the most up-to-date scientific information and tools to key professionals responsible for making decisions about

coastal resources

- Workshops
- Professional Development
- Technical Assistance
- Training





Ongoing Work











CTP focus depends on your needs









