Hernando County Aquatics Services and Waterways

- 1. Waterways, Boat Ramps, and Navigation Aids
- 2. Waterway Hazards and Maintaining Navigation
- 3. Derelict boats / oil spill containment
- 4. Dock/ Seawall Permitting
- 5. Lake Management
- 6. Marine Resource Program



Recent Accomplishments 2016-2018



1.	Bendickson Reef Expansion	/
2.	Shallow Reef Arrays – Reefballs	/
3.	Volunteer Reefball Construction	1
4.	Hunters Lake Tussock Removal	1
5.	Oyster Reef Deployment	/
6.		/
7.	Coastal Kayak Trail	/
8.	Marine Area Strategic Plan	/
9.	RESTORE Funding Allocations	1
10.	Research Partnerships	1
11.	Hernando Beach Channel Speed Zone	1
12	Boat Ramp Master Plan	

Hunters Lake Tussock Removal



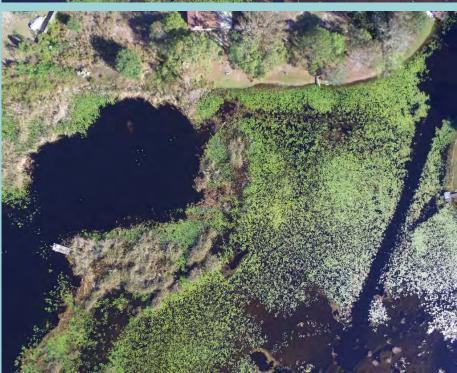
Hunters Lake Tussock Removal















Hernando County Artificial Reefs Consult IIS Con NOAA VHF-FM W The National West GENERAL Jim Champion STATION TYPE DESIG EXAMPLE: 7980-Y RATES ON Nearshore Reefs 7980-W 7980-Imagery and Maoping Ager with this chart. The lines of p based on survey data. Eve the ¼ nuutical mile accura-Coast Guard. Mariners ar Bendickson Richardson Reef Ball Reef

Bendickson Reef Expansion





Bendickson 1995

Bendickson 2016

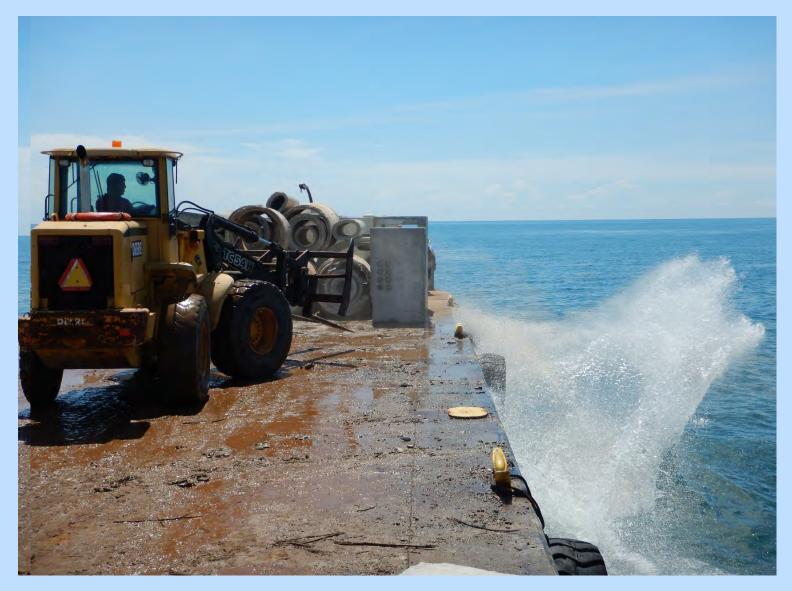
Bendickson Reef Expansion 600 tons deployed - August 2017





Bendickson Reef Expansion 600 tons deployed - August 2017





Bendickson Reef Expansion

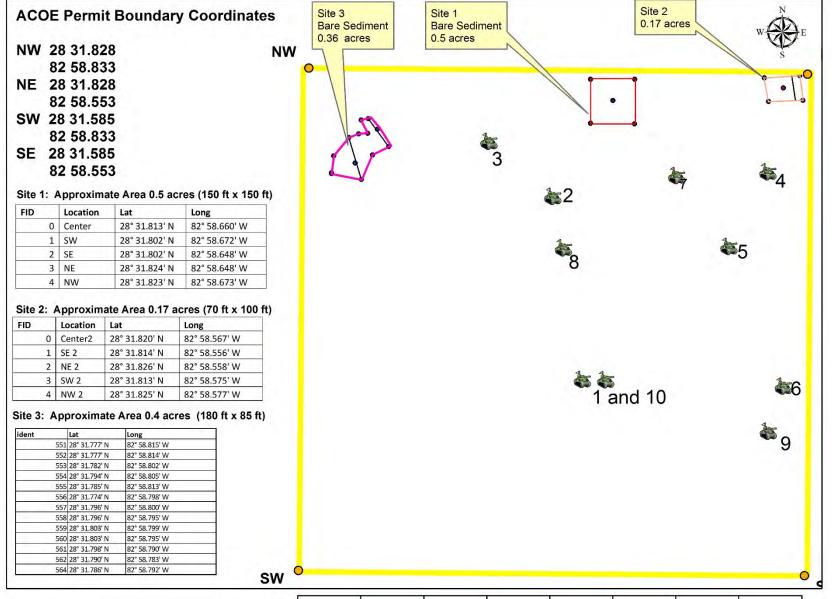




Bendickson Army Tank Reef Expansion



1,480 Feet

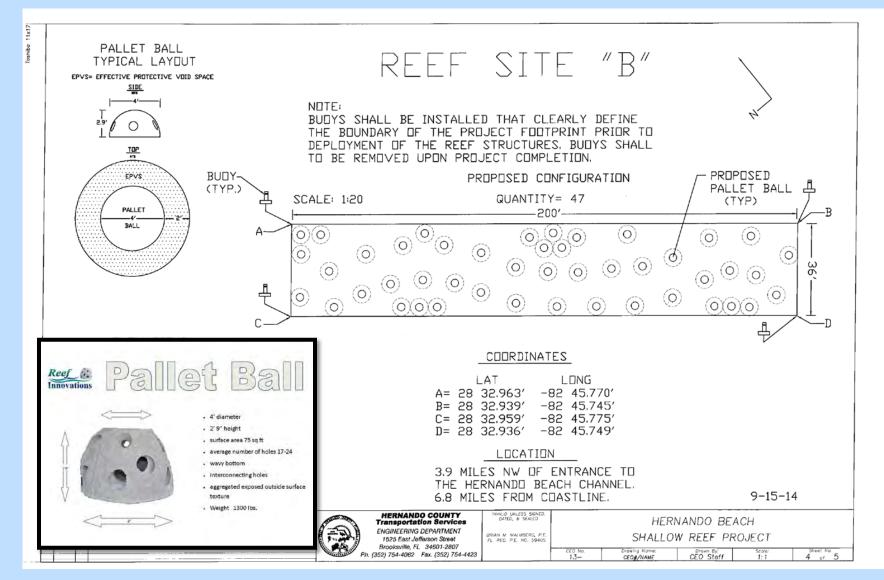


370

740

Shallow Reef Arrays - Reef Balls





Shallow Reef Arrays – Reef Balls









Community Outreach - Reef Ball Molds

















0.25

0.5

1 Miles













Centipede Bay April 14, 2018















Shoreline Stabilization Marsh Grass Planting at Linda Pedersen Park

May 2018











A Strategic Marine Area Plan for Hernando County

Alexandra Barshel, J.D. Cand. Samantha Sanders, J.D. Cand.

Conservation Clinic, University of Florida College of Law Thomas T. Ankersen, Legal Skills Professor and Director, Statewide Legal Specialist, Florida Sea Grant

Emma Pistole, M.S. Cand.

UF/IFAS Nature Coast Biological Station Mike Allen, Professor and Director

Brittany Hall-Scharf, Extension Agent Florida Sea Grant

Keith Kolasa Aquatic Services Manager, Hernando County

















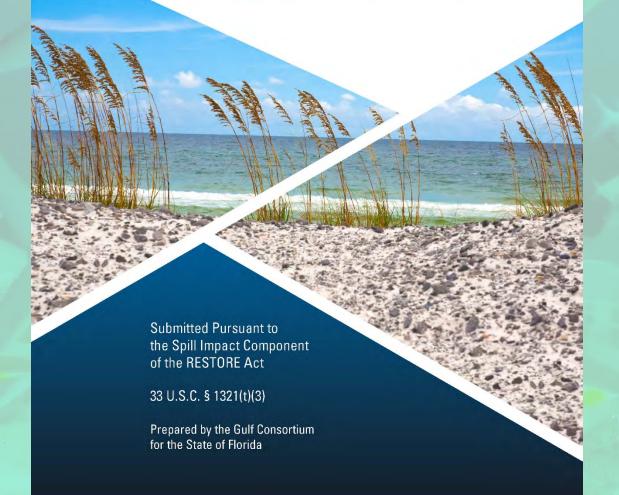
Identified Goals

- Goal 1: Shoreline stabilization
- Goal 2: Oyster reefs
- Goal 3: Artificial reefs
- Goal 4: Recreational and commercial fisheries
- Goal 5: Vessel navigation and gulf access
- Goal 6: Hard bottom habitat and seagrass

Goals
Objectives
Policies/Actions



State of Florida STATE EXPENDITURE PLAN







Hernando County - Pot 3 Project Budgets

Project	Cost
Artificial Reef Program	\$ 2,350,000
Oyster Reefs and Living Shorelines	\$ 750,000
Boat Ramp and Coastal Park Amenities	\$ 1,165,000
Channel Improvements - Hernando Beach, Pine Island, Weeki Wachee Canals	\$ 3,135,000
Paddling Trails	\$ 260,000
Water Quality – Calienta Street	\$ 2,400,000
Septic to Sewer	\$ 2,600,000
TOTAL	\$12,660,000





Pot 1 - Project Budgets

Project	Cost
Bayou Drive Restoration	\$ 175,000
Linda Pedersen swim area restoration	\$ 300,000
TBD	\$ 625,000
TOTAL	\$1,100,000



SUMMARY



- Numerous Projects Successfully Completed Over Past Two Years
- RESTORE Funding Allocated for Many Additional Projects
- Exciting Opportunity to Continue to Build Marine Resource Program



Bendickson Reef, Hernando County



Centipede Bay, Hernando County



Photo Credits: Keith Kolasa