

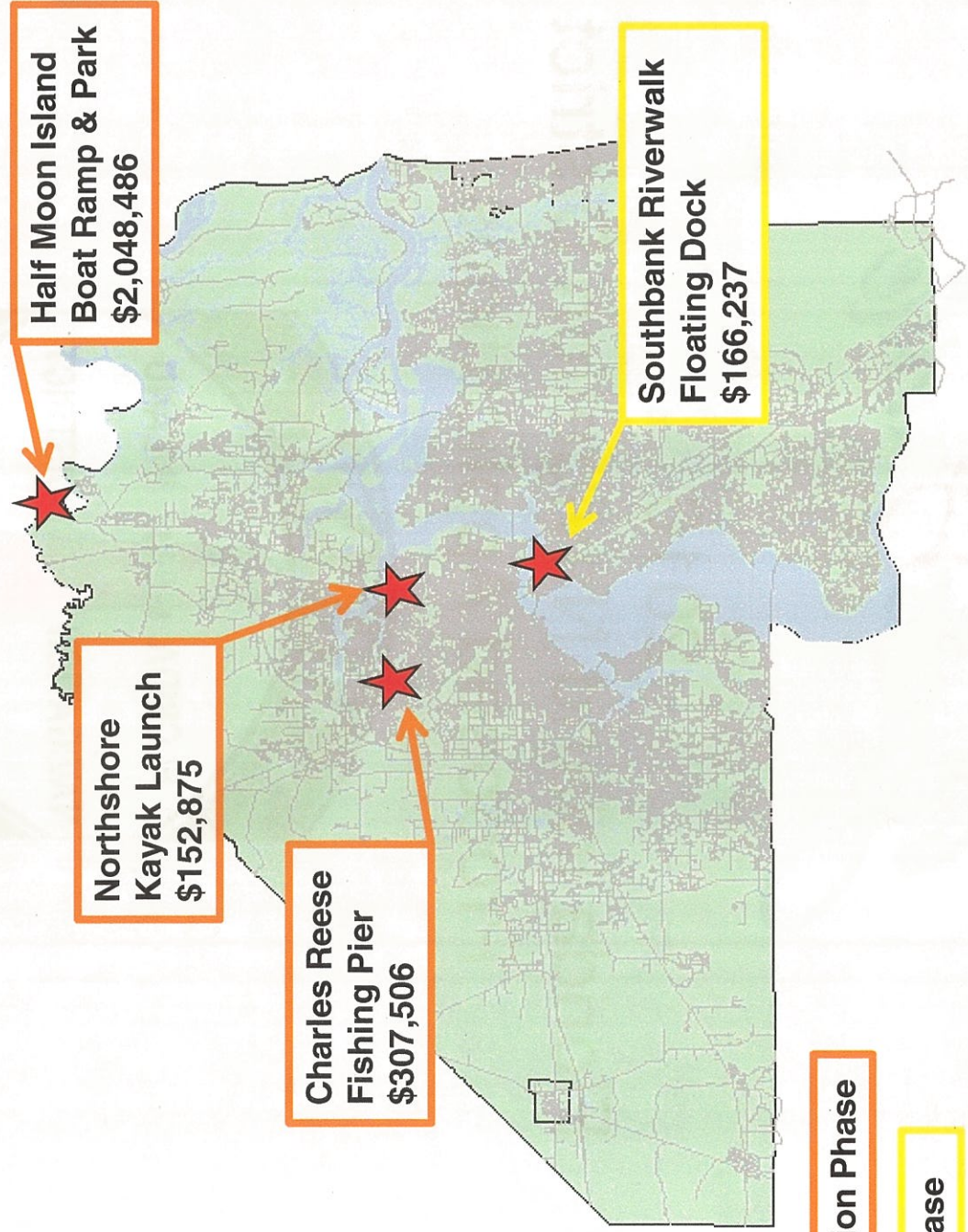


2016

Florida Inland Navigation District Proposed Applications



Location of 2016 Proposed FIND Projects



Construction Phase

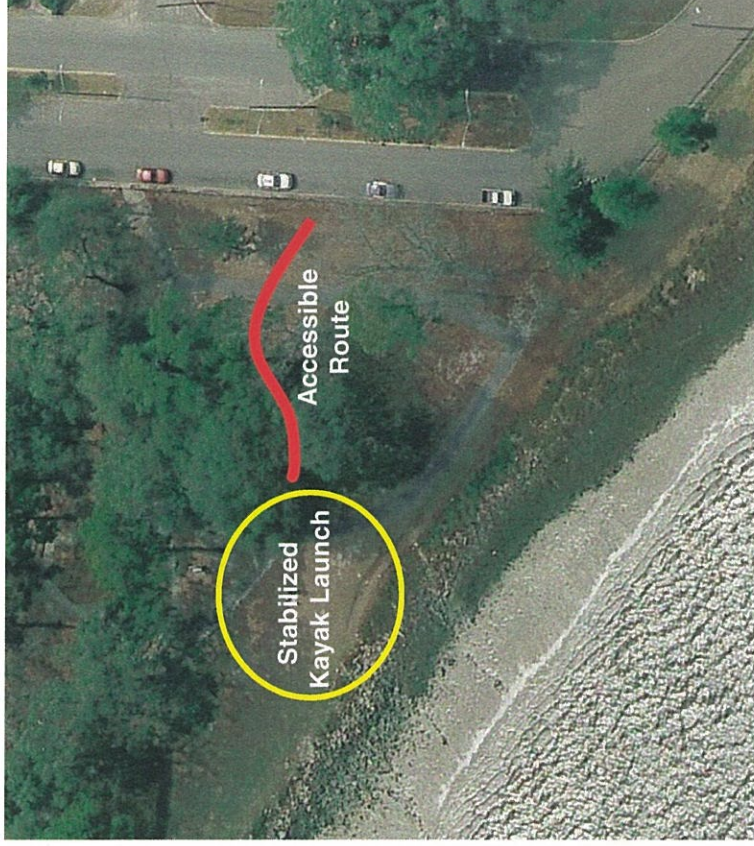
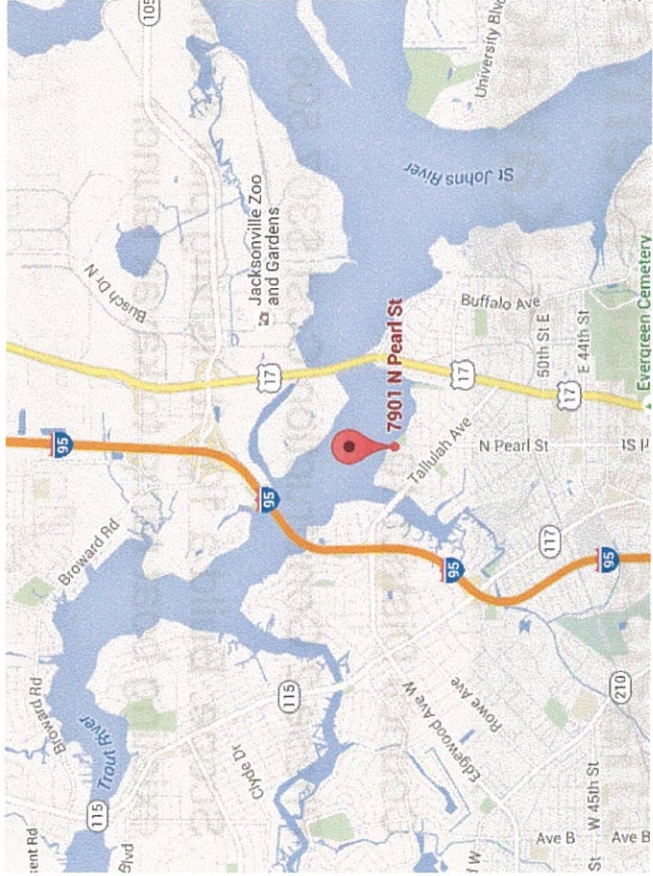
Design Phase

Northshore Park Kayak Launch

Council District 8

Phase 2 Construction Cost: \$152,875

Scope: Stabilize shoreline for kayak launch with ADA access route



Grant for design received in 2013

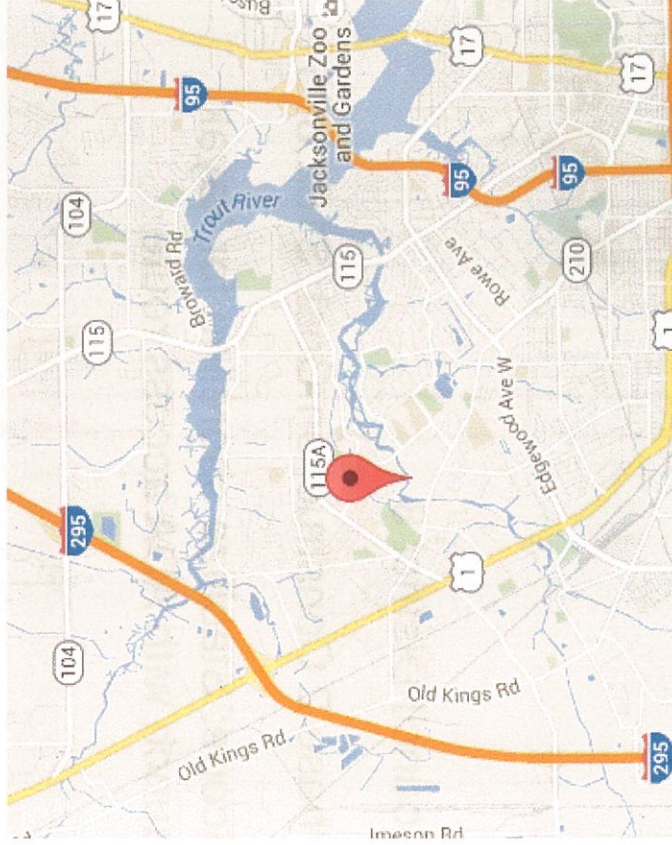
This is the final grant cycle which we can pursue project construction

Charles Reese Memorial Park Fishing Pier & Kayak Launch

Council District 10

Phase 2 Construction Cost \$307,506

Scope: Build a 100 ft. fishing pier & convert existing boat ramp to kayak launch



Grant for design received in 2013

This is the final grant cycle which we can pursue project construction

Half Moon Island Preserve Boat Ramp & Park Development Phase 2A

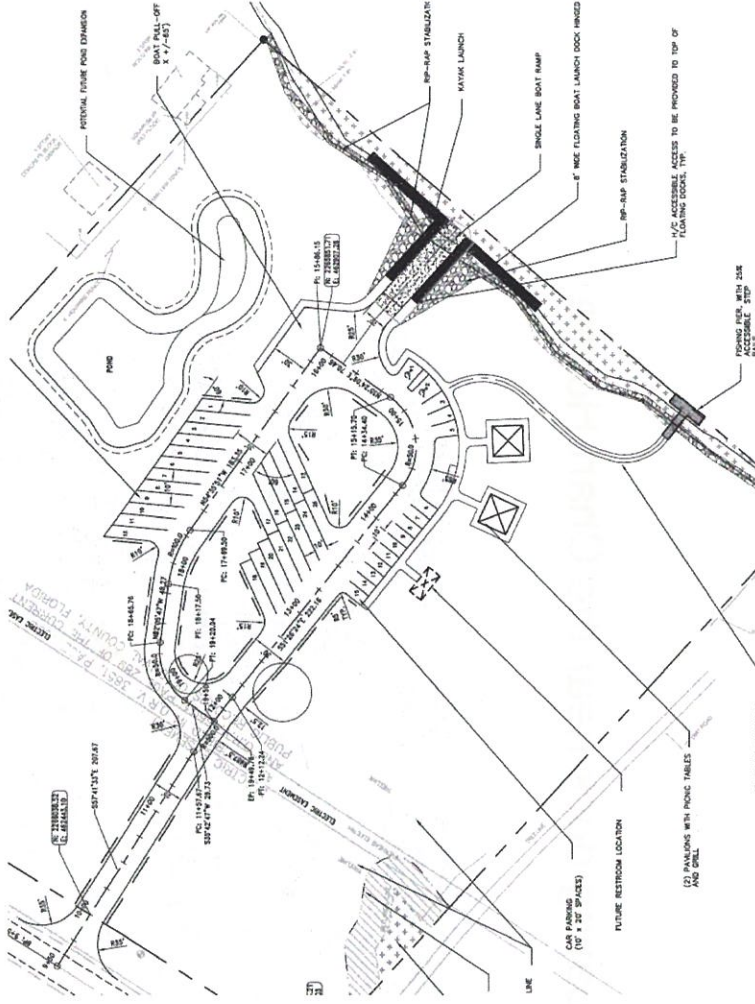
Council District 2

Phase 2A Construction Cost
\$2,048,486

2A Scope: Boat ramp, floating dock, facility entrance and parking, shoreline revetment, site clearing/grading and stormwater pond

Phase 2B (Future Phase)
Construction Costs \$484,419

2B Scope: Fishing platform, shelters, floating dock



Grant for design received in 2013

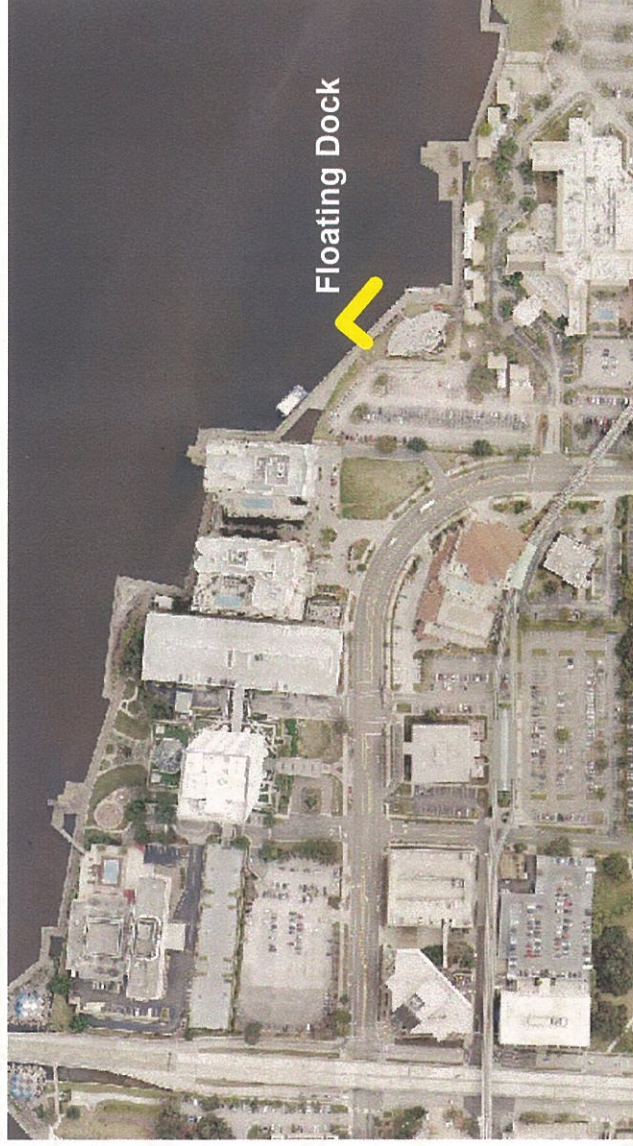
This is the final grant cycle which we can pursue project construction

Southbank Riverwalk Floating Dock

Council District 5

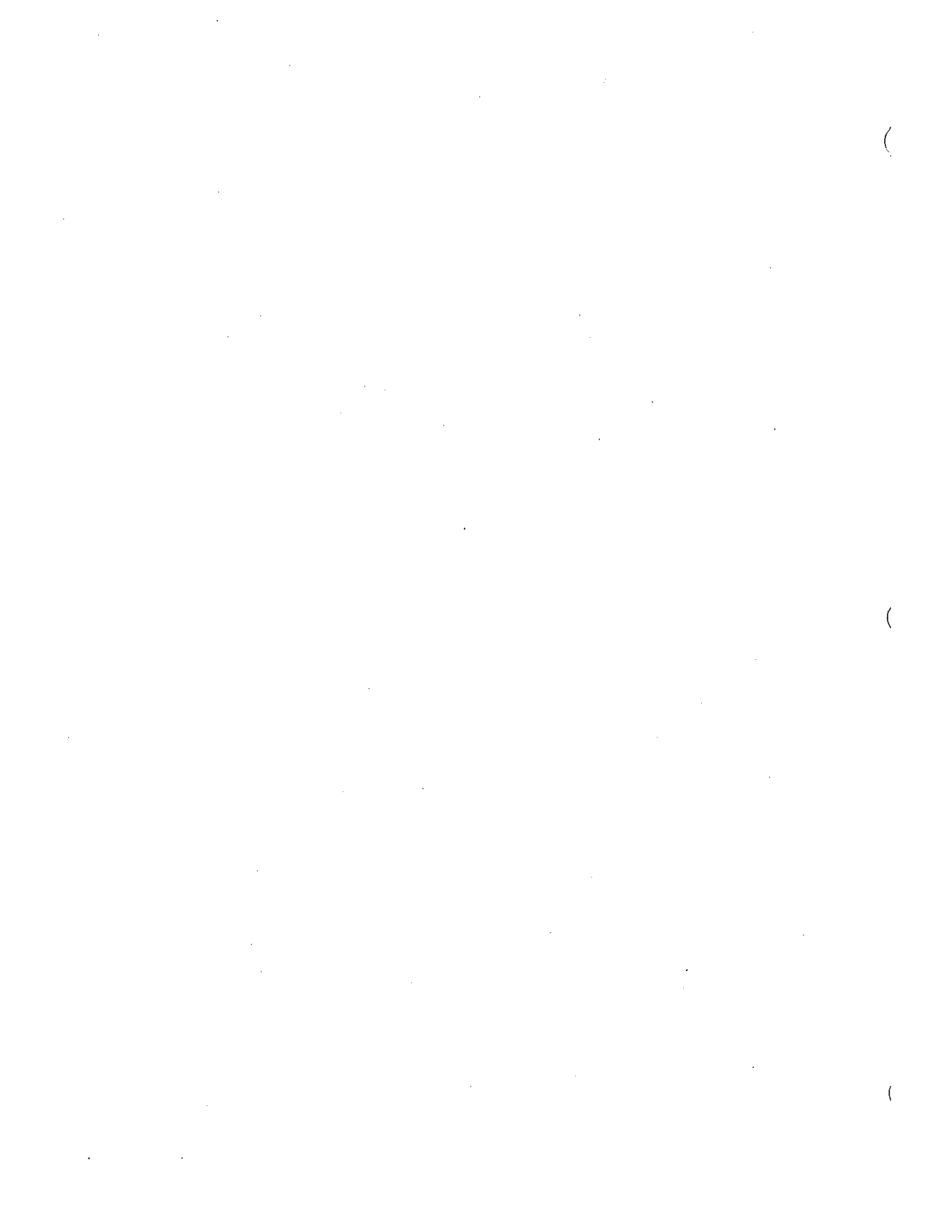
Phase 1 Design Cost: \$166,237

Scope: Design and permit a 120 ft. floating dock near the Chart House

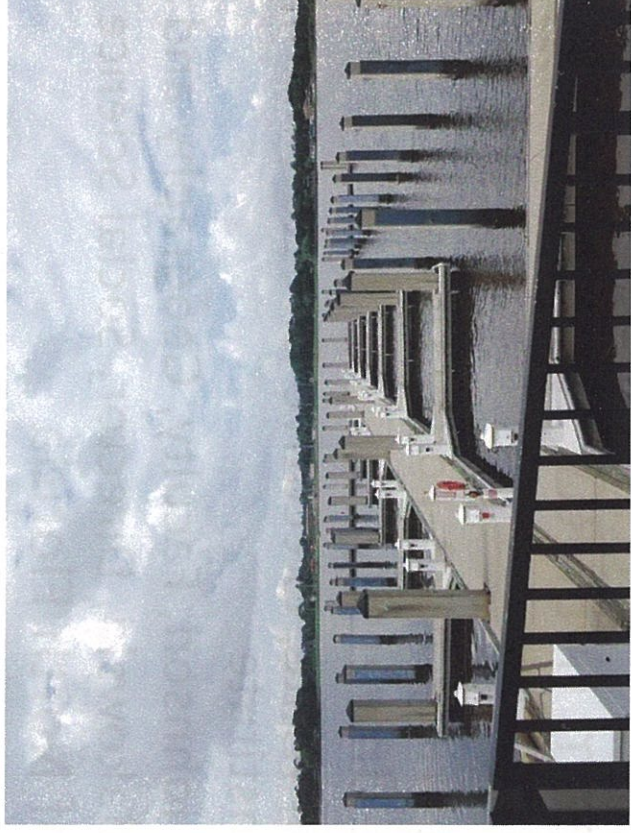


Funding Breakdown for Proposed Projects

Anticipated total 2016 FIND dollars	\$1,400,000
Anticipated Atlantic Beach request for FIND dollars	\$250,000
Anticipated FIND dollars available for COJ	\$1,150,000
Anticipated COJ match	\$1,525,104
Anticipated Total Cost	\$2,675,104



Duval County Maritime Management Plan



Planning Team Presentation to the Waterways
Commission
October 14, 2015

Duval County Maritime Management Plan

Oversight

- ▶ Planning Team (NEFRC, JU, UNF)
 - NEFRC
 - Margo Moehring, AICP, Policy Director
 - Jacksonville University
 - Dr. Quinton White, Executive Director, Marine Science Research Institute
 - Dr. Ashley Johnson, Faculty, Geography and the Environment
 - Dr. Ray Oldakowski, Director, Social Science Research Center
 - University of North Florida
 - Dr. David Lambert, Associate Professor and Director, UNF Environmental Center
 - Dr. Raphael Crowley, Assistant Professor, Construction Management

Duval County

Maritime Management Plan

Oversite (cont.)

- ▶ Cities Team (Jacksonville, Beaches Communities, Baldwin)
- ▶ Jacksonville Parks, Recreation and Community Services
- ▶ Waterways Commission (presentations and monthly updates). Project steering committee?
- ▶ Approval by all local governments
- ▶ Approval by FIND



Project Phases

- ▶ Research (Now to Approx. Feb. 2016)
 - Approach, Kickoff, Survey, Public Discussion, Strategy for Facilities/Resources Assessment
- ▶ Assessment (Approx. March–November 2016)
 - Facilities, Natural Resources, Economic Factors, Risk, Needs, Public Input
- ▶ Action Plan (Approx. December 2016–April 2017)
 - Need/Opportunity/Cost/Benefit
 - Recommended Draft Action Plan and Public Comment
- ▶ Final Plan (Approx. May–July 2017)

Duval County Maritime Management Plan

Public Engagement

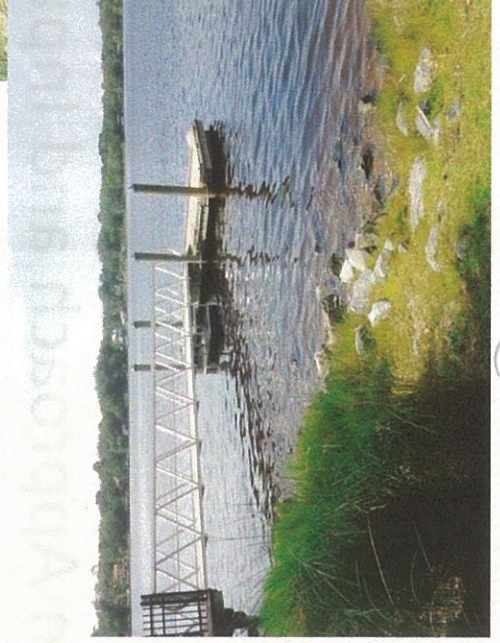
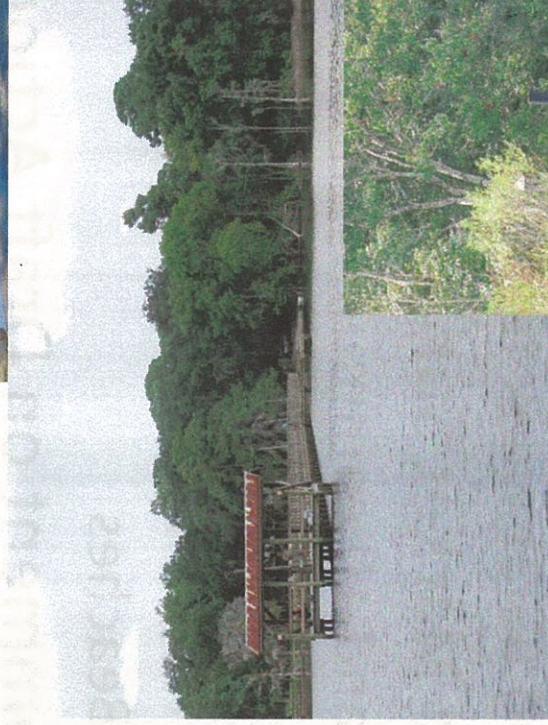
- ▶ Presentation on Approach and Input into Survey
 - Waterways Commission (October)
 - Public Kickoff meeting (First week in December 2015)
- ▶ Launch Website and Market Survey
 - Present at all CPACs and 10 community meetings
- ▶ Assessment results and public comment (Winter 2016)
 - 3 meetings, 1 at the Beaches
- ▶ Public and Cities comment on Draft Action Plan



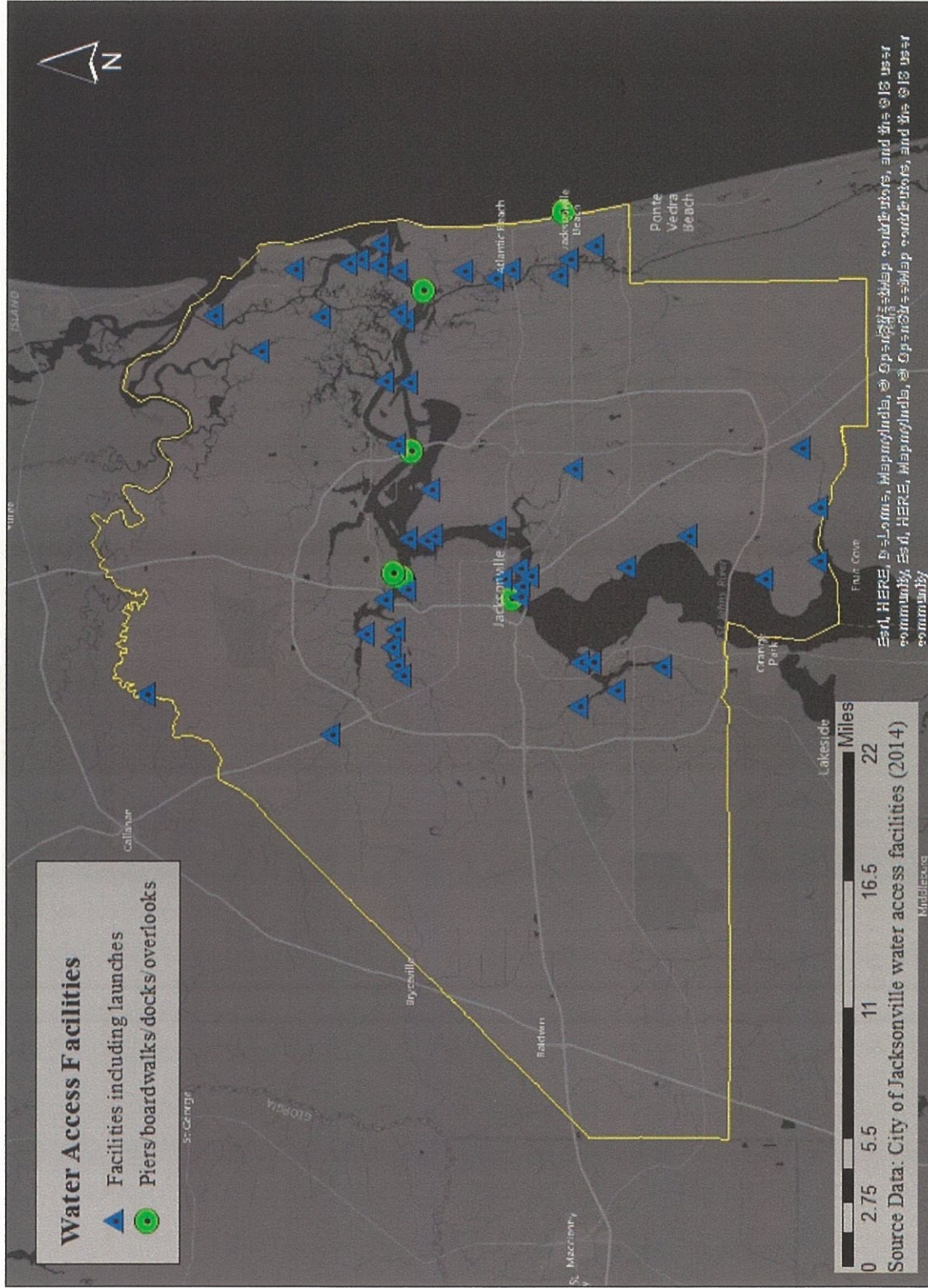
Website

We will use Story Maps to explain what we are doing, share information and outline recommendations.

The story links to maps and images that help to tell the story.



City of Jacksonville Recreational Water Access Facilities



Technology and Personal Touch

- ▶ Use social media, radio, Jacksonville and cities to market the project, inform about meetings and survey
- ▶ Comments may be entered on webpage. Drafts and updates will be posted.
- ▶ Survey will be on-line and hard copy
- ▶ Presentation on approach that anyone can use
- ▶ City Staff will present at CPACs and collect hard copy surveys
- ▶ Planning Team will present at community meetings and collect hard copy surveys
- ▶ Survey will include “scientific” polling

Questions?

Margo Moehring
Northeast Florida Regional Council

mmoehring@nefrc.org

904 279 0885 X 161

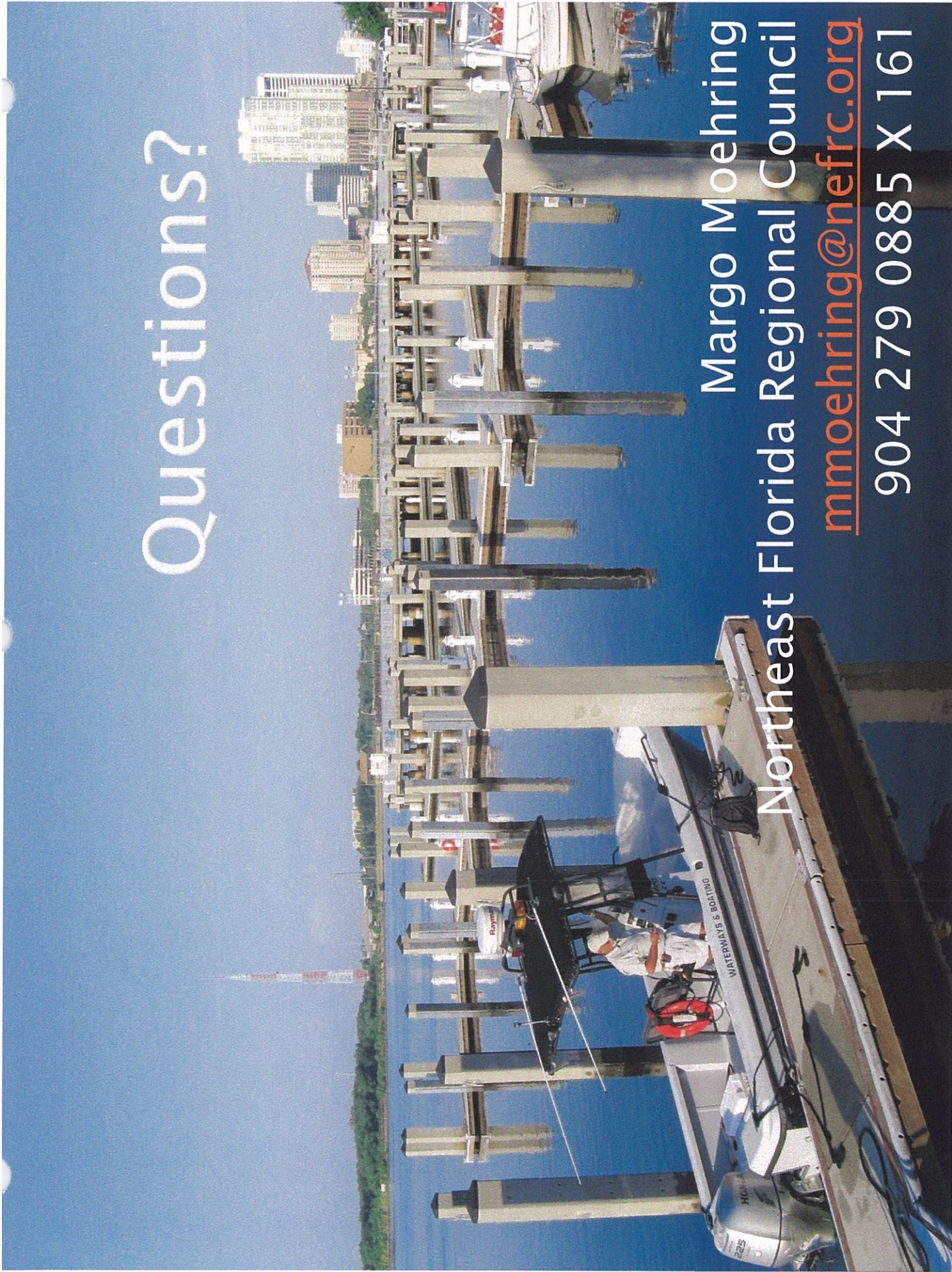




Photo: REEF

**The Lionfish Invasion
Florida Fish and Wildlife Conservation Commission
Division of Marine Fisheries Management**



Lionfish (*Pterois volitans* & *P. miles*)

- Non-native, invasive tropical predatory fish
- Have the potential to negatively impact native fish and wildlife
- Originally from the Indo-Pacific region
- Introduced via aquarium release
- Established in Atlantic, Gulf of Mexico and Caribbean
- Reproduce Rapidly
- Lack a natural control mechanism in invaded range



September 26, 2010 Jupiter Star - Miami, FL.
Photo: Matthew Hoelscher



Habitat Use

- Found on a variety of natural and artificial reefs, mangroves, seagrass beds, estuaries
- Can tolerate temperatures as low as 52 degrees Fahrenheit

- Depths range from 1-1000 feet
- Can survive low salinity (<4 ppt)
- Densities exceed those in their native range



June 23, 2013 Florida Bay - Marathon, FL (8 feet)



Lionfish Reproduction

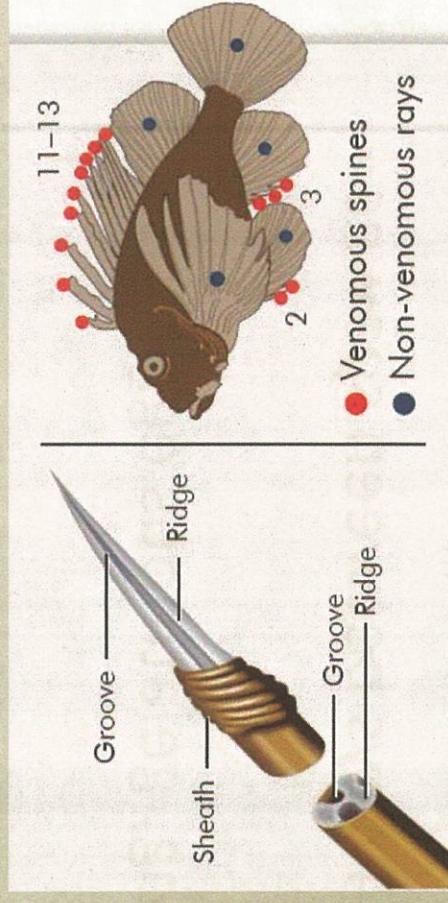


- Reach sexual maturity within the first year of age
- Spawn an average of 30,000 eggs (as many as 95,000 recorded in the Gulf)
- Spawn frequently, about 2-4 days between spawns in warm months
- Eggs are encased in a floating, gelatinous egg mass



Venomous Spines

- 18 venomous spines total
 - 13 on dorsal
 - 1 on each pelvic fin
 - 3 on anal fin
- Spine contains grooves (not hollow) that house venomous glandular tissue
- Neuromuscular toxin can cause pain, swelling, redness, tingling, numbness
- Allergic reactions can occur, and symptoms may vary
- No reported deaths



Credit: Loxahatchee River Center

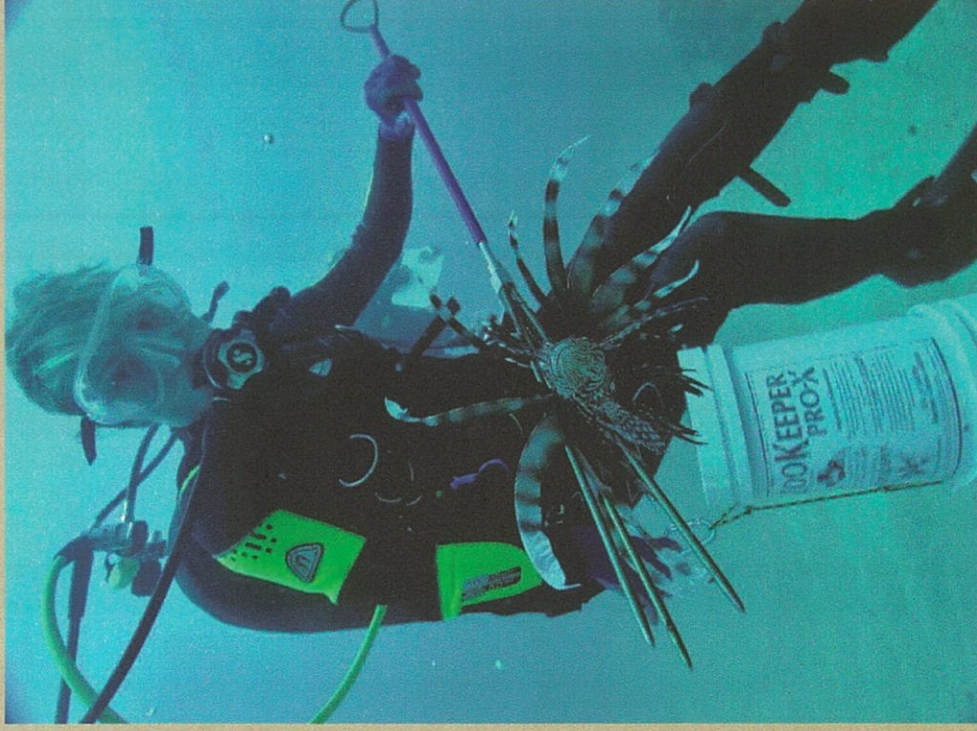


Lionfish Effects

- Consume a variety of native fish and invertebrate species
- Can consume prey over half their own body length
- As many as 65 prey items have been found in a lionfish stomach at one time
- Consume commercially important species: juvenile groupers, snappers
- Consume ecologically important species:
 - Grazers (keep the corals clear of algae)
 - Cleanerfish (maintain health of other reef fish by picking off parasites)
- 79% decreases in juvenile fish recruitment to new reefs observed in the Bahamas
- 65% decreases in prey biomass



Lionfish Control & Removal

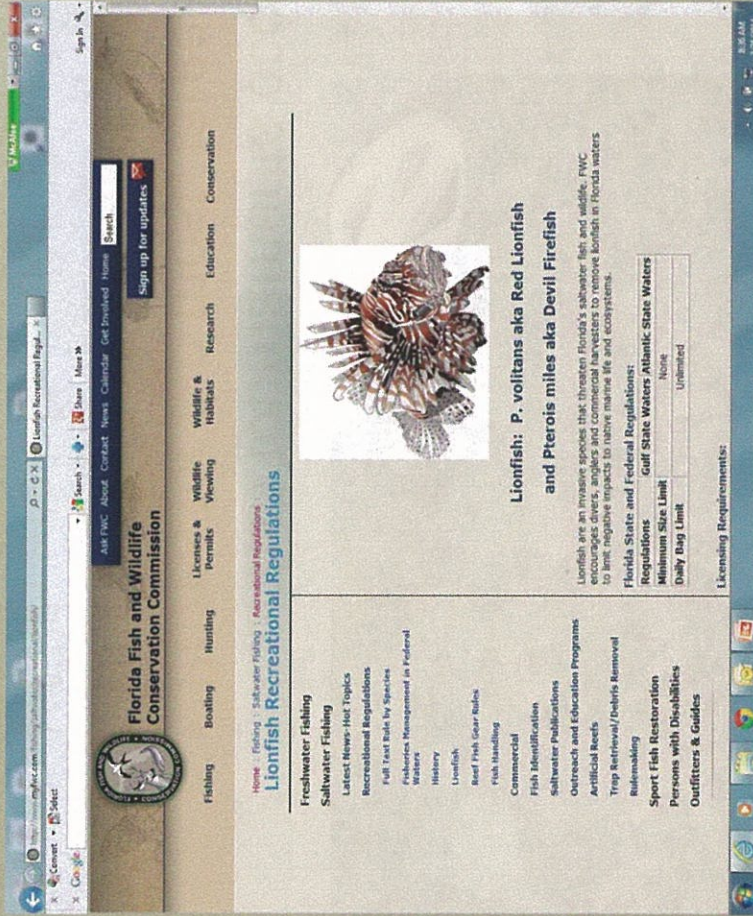


- Popular method: pole spear with paralyzer tip (3 prongs) and a lionfish containment unit
- Hand-nets are also used
- Some use needle-resistant gloves to handle them
- FWC alleviating barriers for removal:
 - Waived saltwater license requirement for harvest
 - Allowed rebreathers during harvest
 - No size or bag limit

May 2015 – Broward County



Report Florida Lionfish

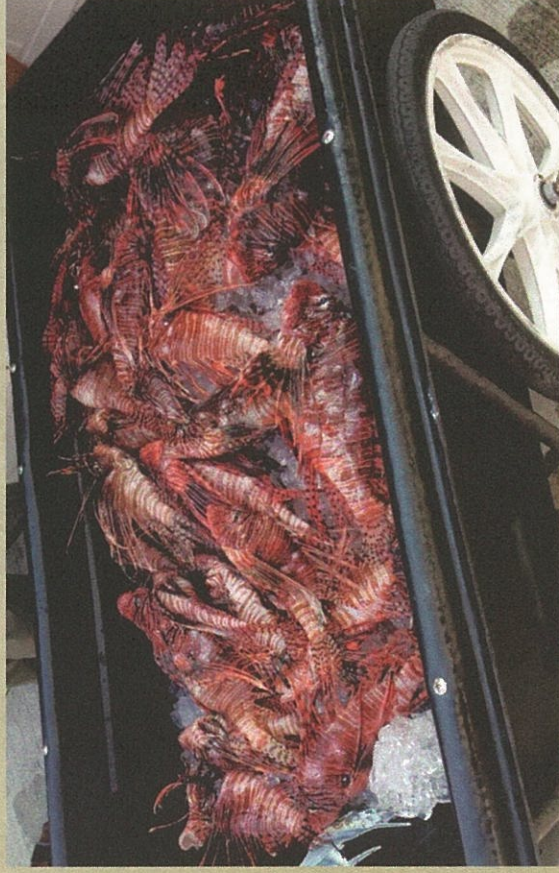


MyFWC.com/lionfish
Click on "Report Lionfish"

Report Florida Lionfish App



Lionfish Derbyies



- Lionfish tournaments occurring around the state
- Prizes for the most, largest and smallest fish to encourage removal of all sizes.
- Fish are often donated to research or prepared for public consumption
- Visit the calendar at MyFWC.com/Lionfish and click on “Derbies and Events”

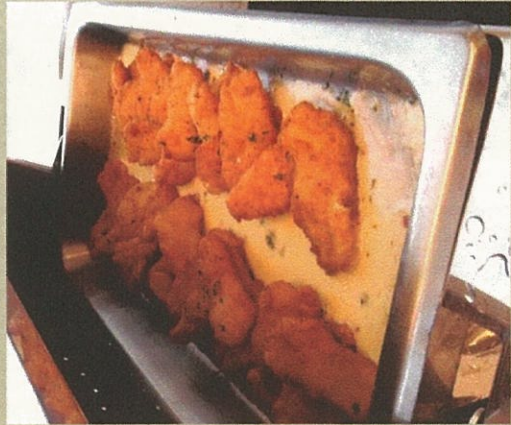
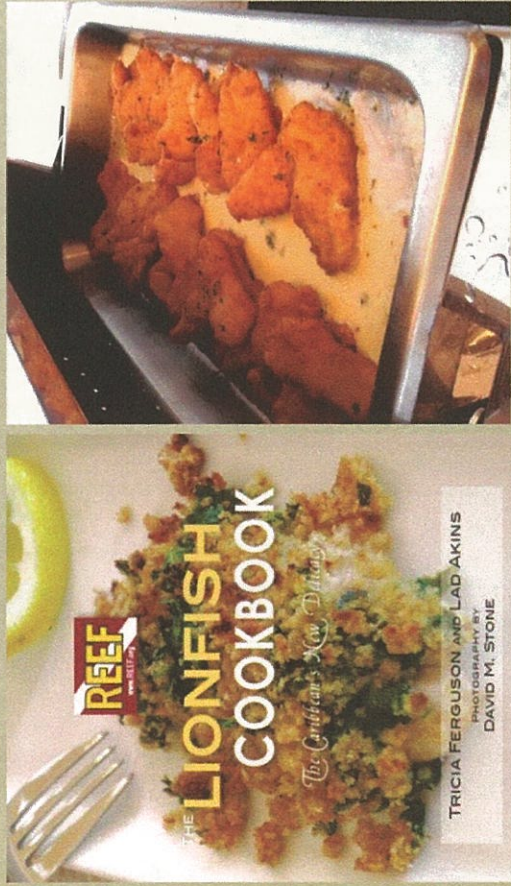




Photo: REEF



Lionfish as Food



- Restaurants around the U.S. and Caribbean have started serving Lionfish
- Rarely seen in seafood markets or grocery stores
 - Can be ordered from Publix!
- Divers only need a Saltwater Products License (SPL) to sell lionfish



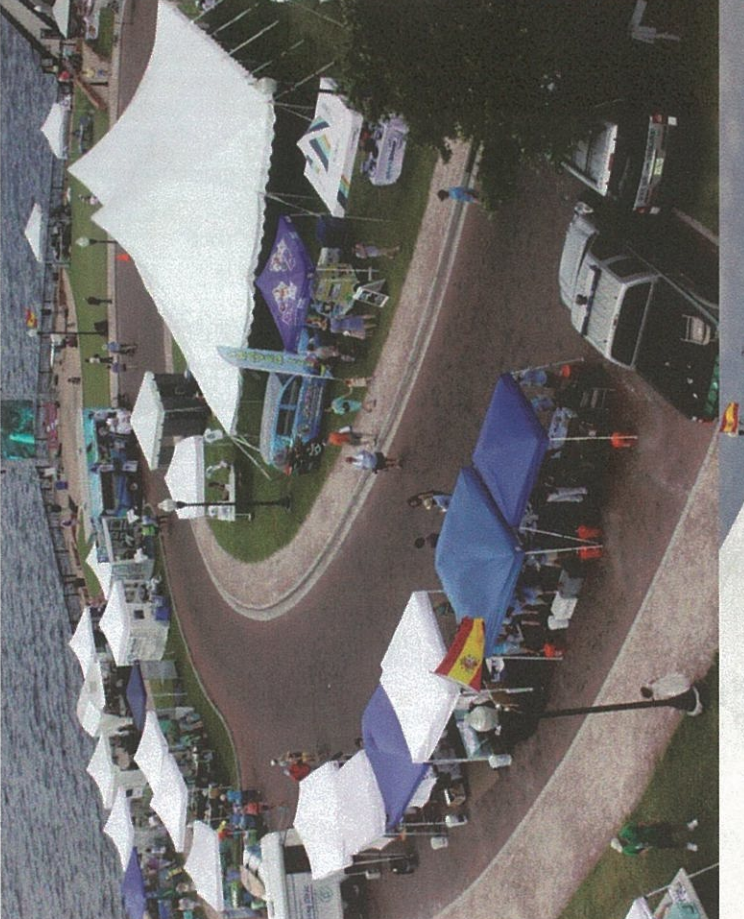
Lionfish Removal and Awareness Day 2015

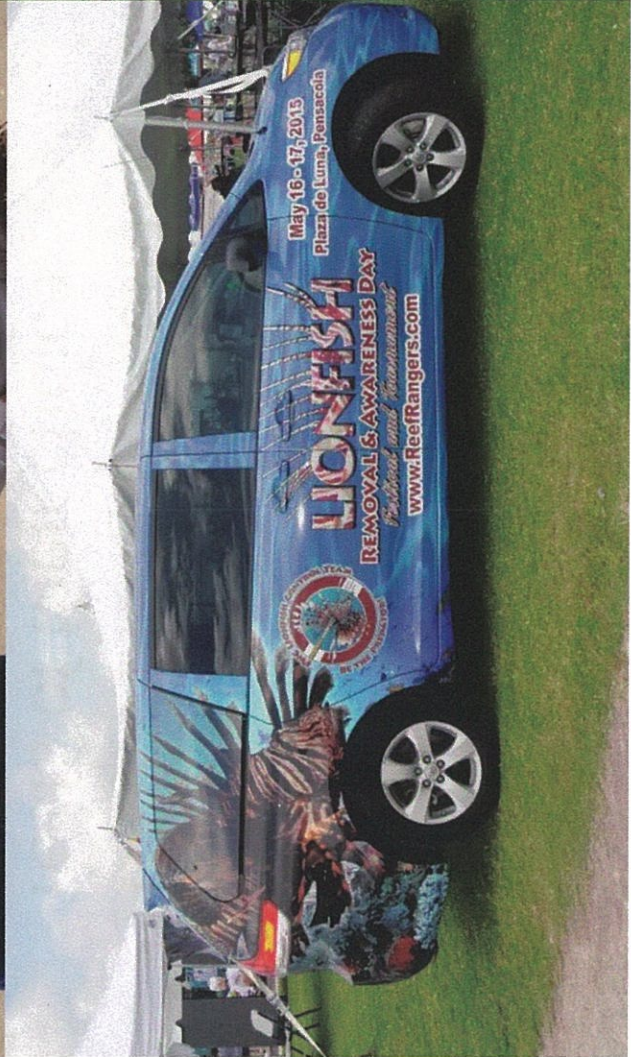
- Statewide lionfish hunting – May 16-17
Hosted by FWC and partners
 - Guy Harvey, Gulf Coast Lionfish Coalition, Coast Watch Alliance, Escambia County, Florida Sea Grant, many more
- 12 Events around the state
- Headquarters in Pensacola, Florida
 - Over 3,000 attendees
 - Covered by more than 50 media outlets
- Showcase of:
 - Family-friendly activities
 - Celebrity chef lionfish tastings
 - Sign-ups for Reef Rangers
 - Raffle Prizes
 - GCLC Lionfish Tournament



Pre: <https://www.youtube.com/watch?v=pfEtZ6bCPX8>

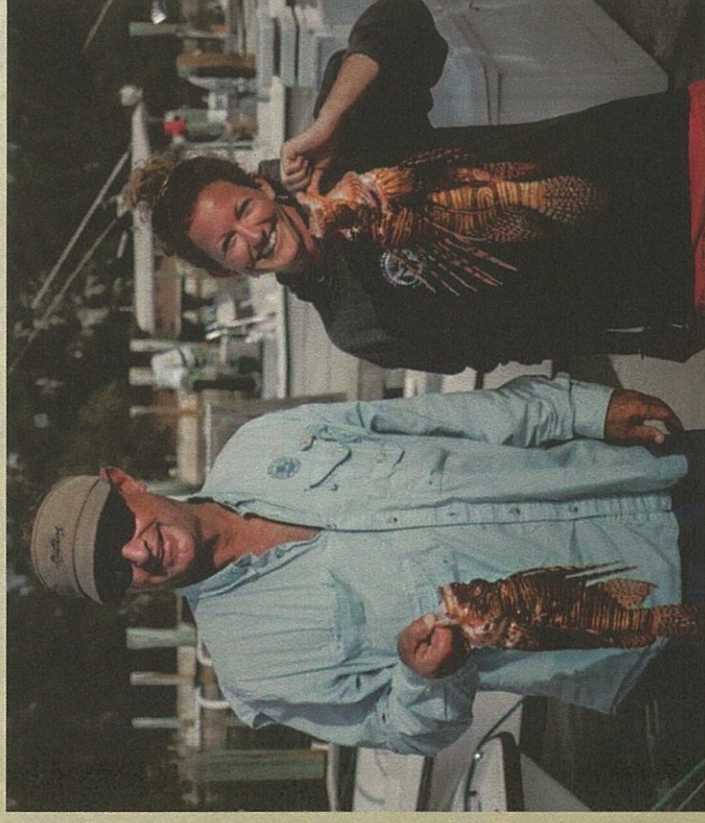
Post: https://www.youtube.com/watch?v=OLTtUFh_qHk





Reef Rangers Lionfish Control Program

- Similar to “Adopt-A-Highway” program
- Divers pledge to conduct lionfish removals at local reefs of their choice
 - Map of reef sites available online
- Participants recognized for their efforts
- ReefRangers.com
- Facebook.com/LionfishReefRangers



Become a Reef Ranger

Reef Rangers pledge to clean lionfish off their chosen reef sites as either a team or an individual. You can choose your reef or add a new reef to our list. Reef Rangers that remove and report their lionfish on **Lionfish Removal and Awareness Day** will be eligible to win prizes.

The Reef Rangers Lionfish Control Program allows divers to see where lionfish removals are taking place so that they can be effective in removing lionfish and avoid visiting reefs that have already been cleaned off.



Next Steps

- Identifying additional outreach and education opportunities
 - Planning LRAD 2016
 - Events and workshops
- Developing an FWC Lionfish Control and Action Plan
 - Florida-specific
- Encouraging innovative lionfish control & research projects
 - Risk assessment
- Modifying additional regulations to alleviate barriers for lionfish harvest





Photo: IUCN

Questions?



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**Summary of Proposed
Lonnie Wurn Boat Ramp Facility Repairs
Bill #2015-0662**

Lonnie Wurn Boat Ramp is located at 4131 Ferber Road which is in Council District One (1). The wooden pier/boardwalk was constructed in 1997 and is failing in several areas.

The Parks, Recreation and Community Services Department is requesting the allocation of \$146,281 from the Florida Boater Improvement Project (FBIP) Fund, RPWF1D8, to a project specific CIP fund to repair/replace the failing pier/boardwalk.

The project will remove and replace the deteriorated pilings as well as all deck boards and stringers along the pier/boardwalk.

Legislation is being introduced to modify the CIP and to satisfy section Sec. 110.413 of ordinance code which states:

"Funds may be distributed by the Director of Finance for the purposes set forth herein upon the written request from the Director of Recreation and Parks Services, or his designee for any project the cost of which is \$30,000 or less; otherwise, the funds shall be available only upon approval of the Council."

The project complies with all requirements for expenditure of FBIP funding.

The pier/boardwalk is currently closed to the public and will remain closed until the repairs are complete.

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