

JUPITER NARROWS
CONSERVATION ALLIANCE

Save the Mangrove Islands and Seagrasses

Presentation to Village of Tequesta Environmental Advisory Committee - 8/14/24



Save the Mangrove Islands and Seagrasses

The Situation

Then and Now

1995



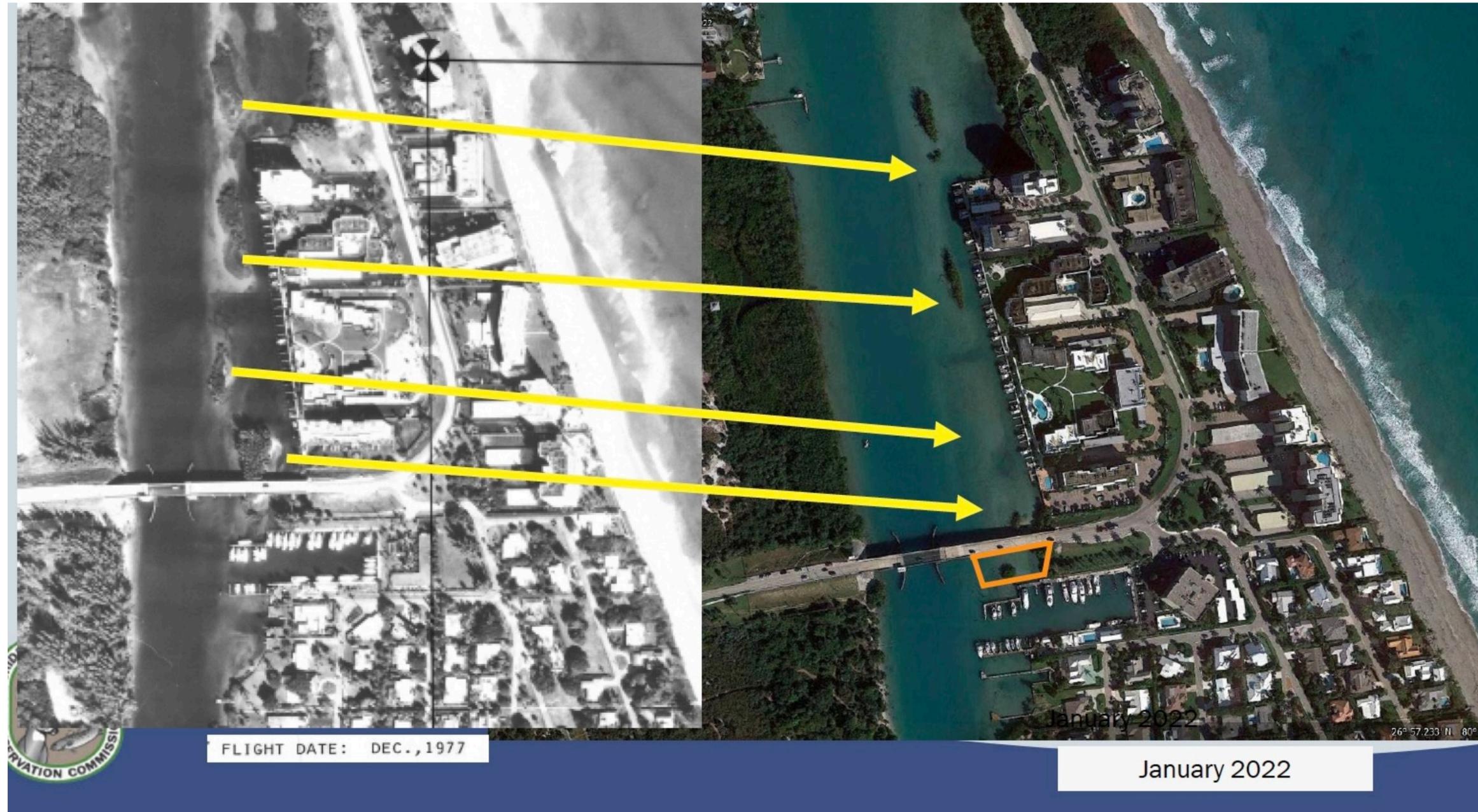
2022





Save the Mangrove Islands and Seagrasses

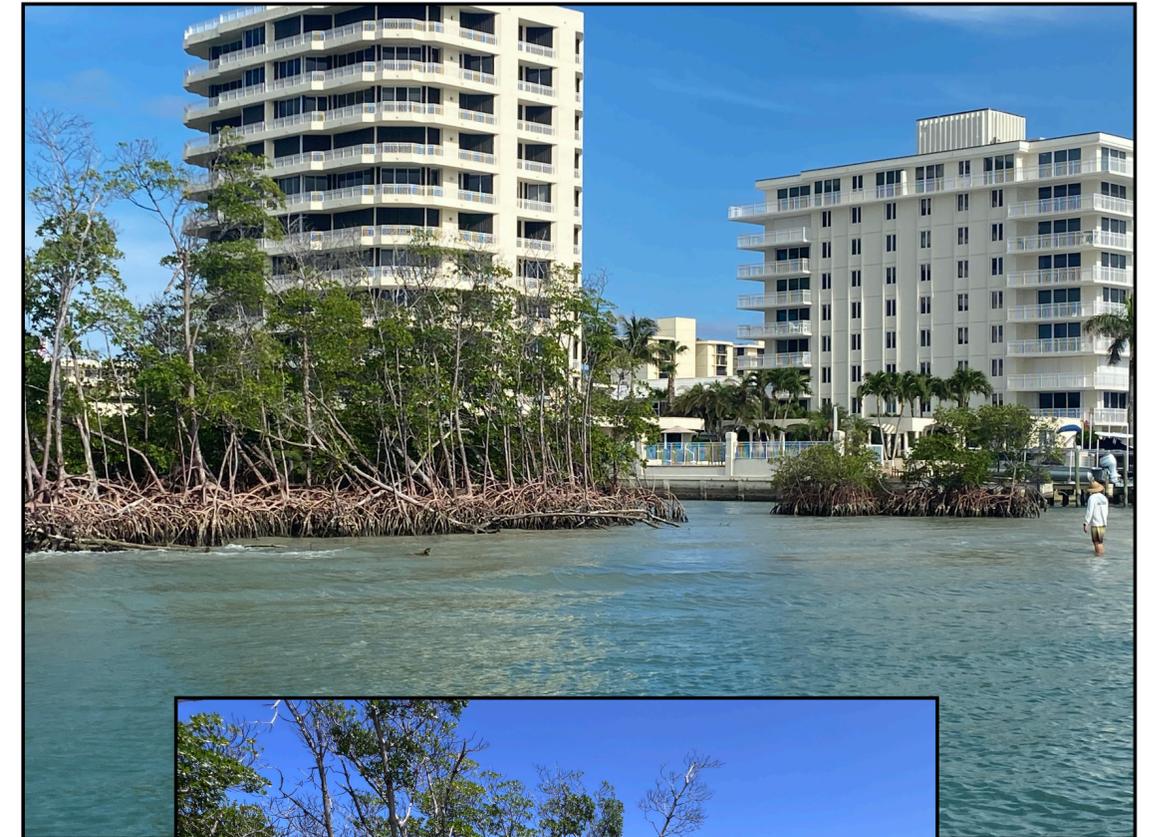
Jupiter Narrows: 1977 - 2022





Save the Mangrove Islands and Seagrasses

The Current State....



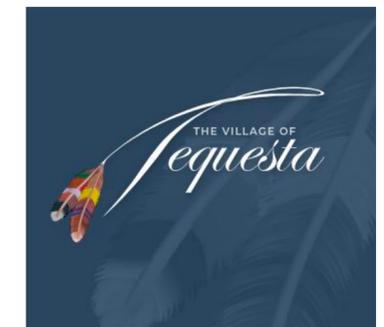
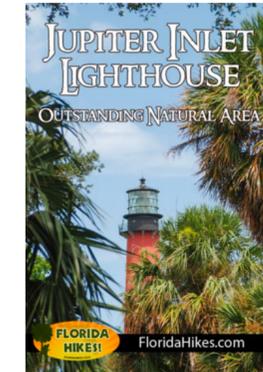


Save the Mangrove Islands and Seagrasses

Phase 1: Preliminary Efforts (2022-23)

- Consulted with Experts

- FWC
- PBC Environmental Management Resources
- Univ of Miami scientists
- Jupiter Lighthouse Outstanding Natural Area - Federal Bureau of Land Management
- Jupiter Inlet District
- Village of Tequesta
- The Nature Conservancy - Blowing Rocks





Save the Mangrove Islands and Seagrasses

Phase 1: Preliminary Efforts

- Consulted with Experts
- Communicated with Neighbors
 - Met with interested residents from La Mar, IHSW, and SeaMist
 - Wrote letters from condo associations to FWC to appeal for something to be done
 - Held meeting of interested residents - March 2023



Save the Mangrove Islands and Seagrasses

Phase 1: Preliminary Efforts

- Consulted with Experts
- Communicated with Neighbors
- Enlisted Additional Support/ Expertise





Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness -
 - Published opinion piece in:
 - Palm Beach Post
 - The Invading Sea
 - Developed media materials and working on film
 - Held Media Day and received coverage on the major networks and Florida Weekly





Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness
- Grew the Team - networking efforts



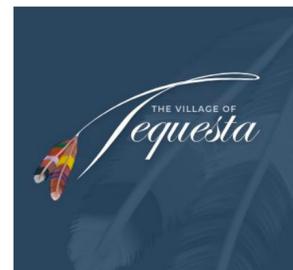
Ocean Conservancy®



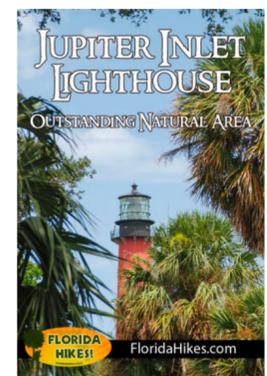
VoLoFoundation



Sustainable
PALM BEACH COUNTY



MIAMI





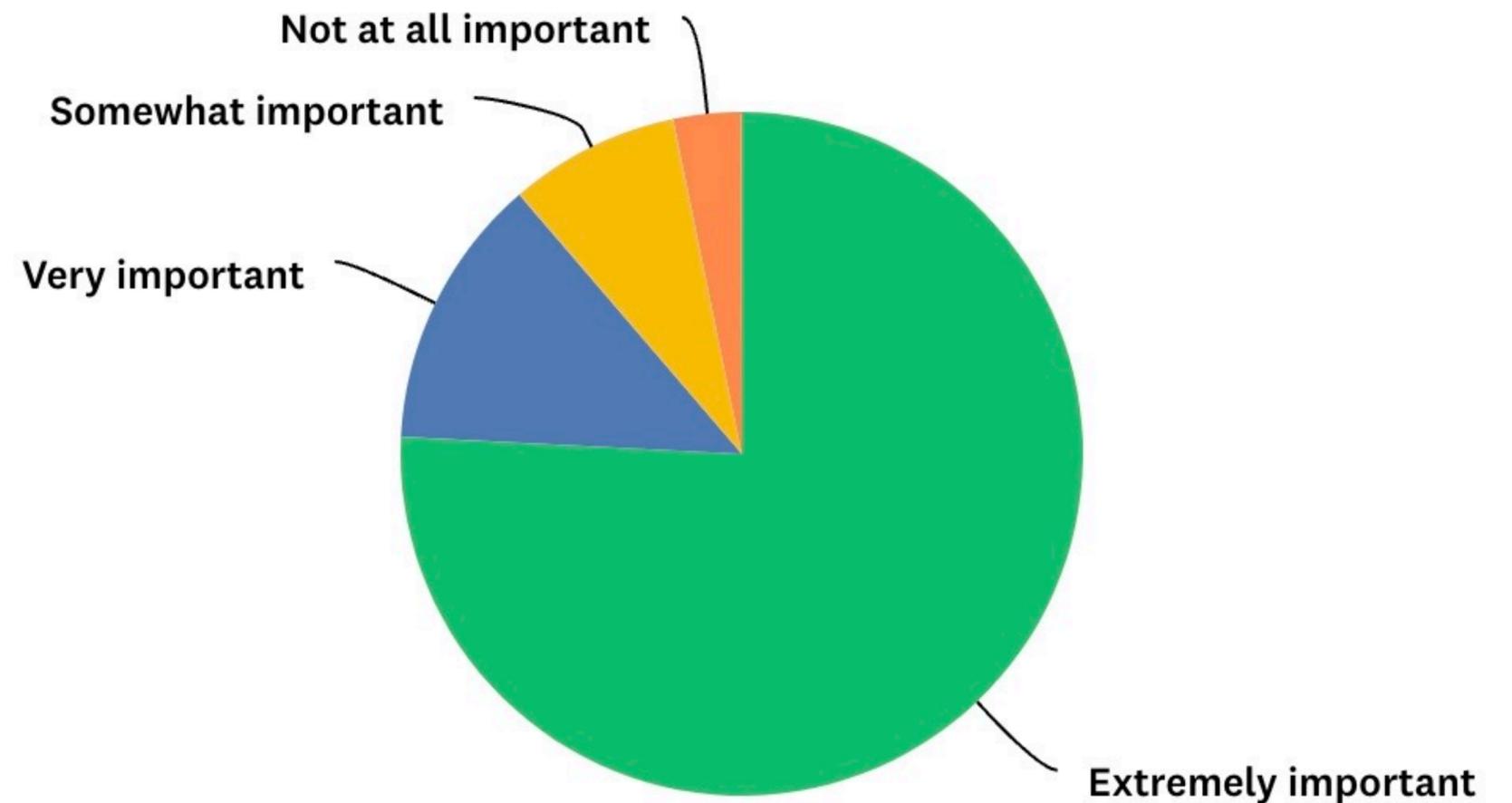
Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness
- Built the Team
- Engaged Local Residents
 - Conducted survey
 - 87% said project extremely or very important
 - >70% willing to help (marketing, fundraising, donating)
 - Provided monthly updates

How important do you think it is to try to stabilize and restore the mangroves and seagrasses on the east side of the intracoastal from Cato's Bridge north to Coral Cove Park in the next few years?

n=63

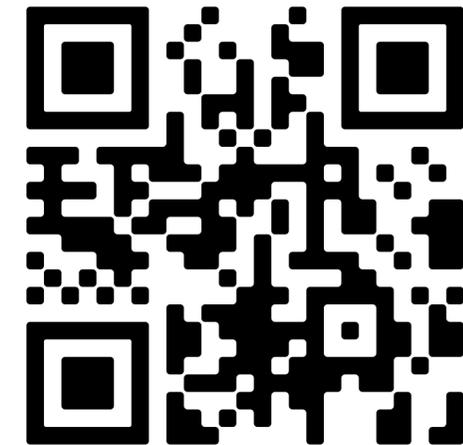




Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness
- Built the Team
- Engaged Local Residents
- Incorporated/ Professionalized



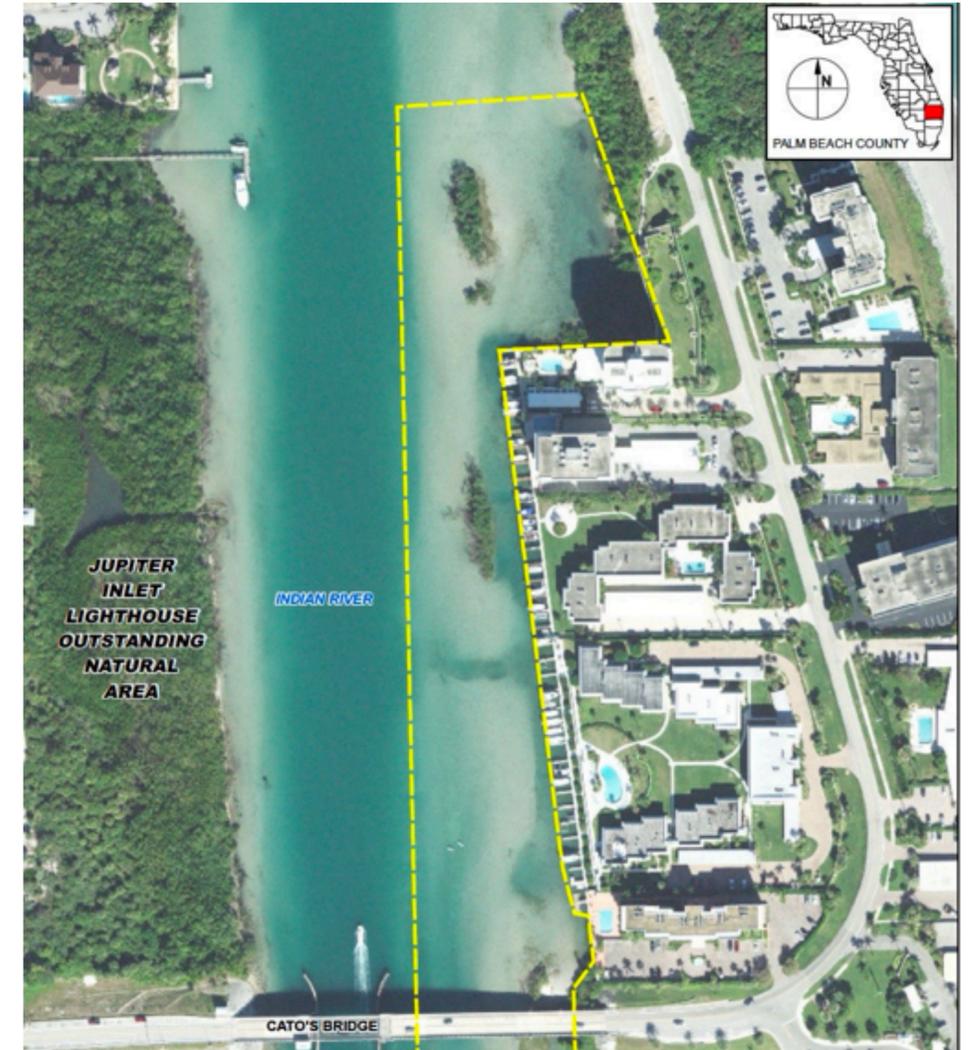
- Incorporated in FL
- Received 501(c)(3) status
- Developed website/ email addresses
 - www.jupiternarrowsconservation.org
 - info@jupiternarrowsconservation.org
 - sue@jupiternarrowsconservation.org
 - thomas@jupiternarrowsconservation.org



Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness
- Built the Team
- Engaged Local Residents
- Incorporated/ Professionalized
- **Hired Taylor Engineering**
 - To conduct submerged aquatic vegetation study
 - *Five types of seagrasses identified*
 - *Significant coverage, but not dense*
 - *Prop and anchor scarring noted*





Save the Mangrove Islands and Seagrasses

Phase 2

- Raised Awareness
- Built the Team
- Engaged Local Residents
- Incorporated/ Professionalized
- **Hired Taylor Engineering**
 - To conduct submerged aquatic vegetation study
 - To develop concepts and have pre-permitting discussions with FDEP and Army Corps of Engineers
 - *Limestone breakwaters on west side of three islands*





Save the Mangrove Islands and Seagrasses

Phase 1

“Get ready”

Phase 2

“Get specific!”

Phase 3

“Get permitted”

Timing

2021-2024

May 2023 - April 2024

May 2024 - Jan 2025

Funding

\$25,000
(fully funded)

\$35,000
(fully funded)

\$80,000
(need in hand ASAP)

Source

Donation from private foundation

\$10K - Ocean Conservancy
\$25K - a few local residents

Local residents
Local foundations
Local businesses

**Purpose/
Work**

Define Problem
Build Community
Engage Ocean Conservancy

Seagrass survey
Concept designs
Incorporation
Website, Email, Marketing materials

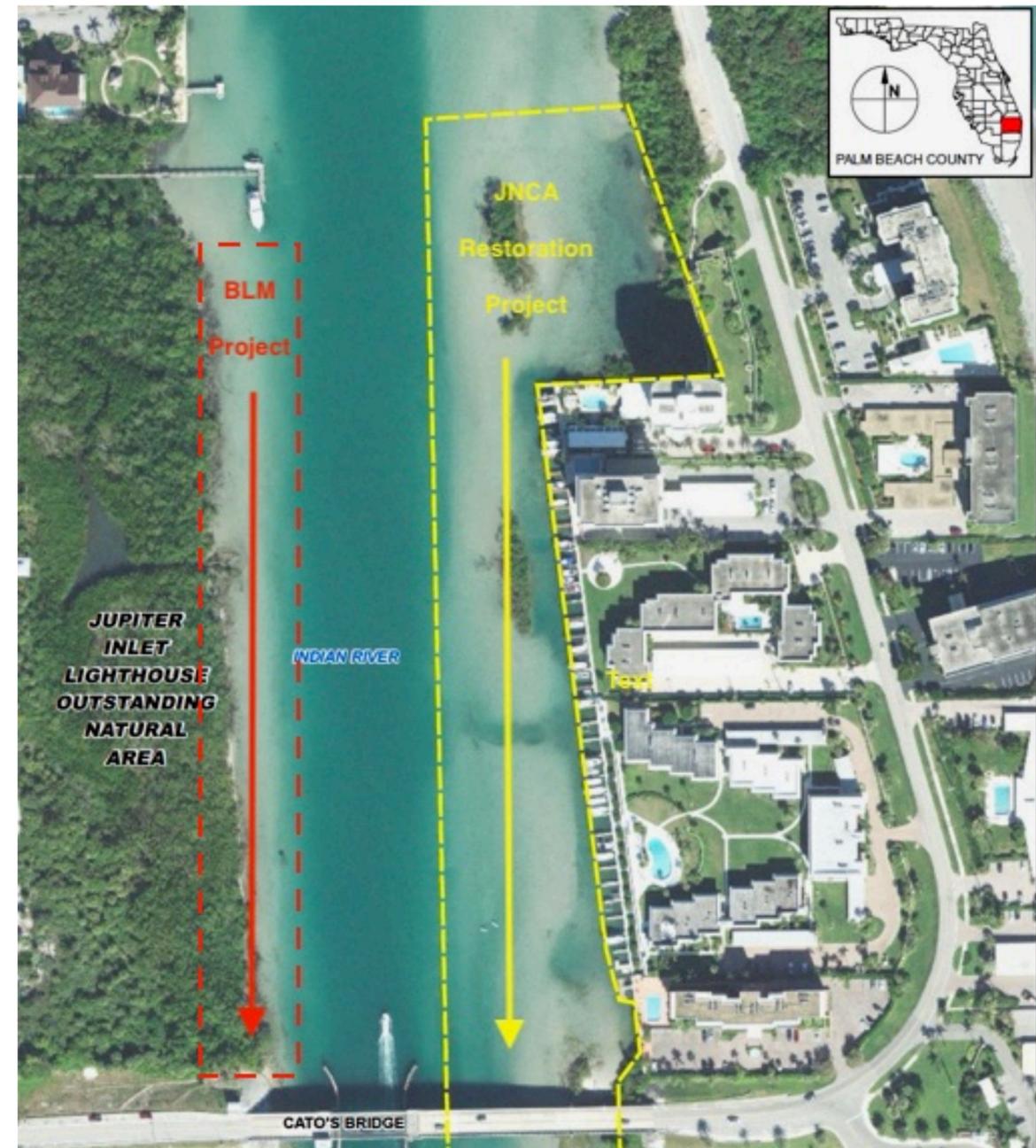
Permitting & engineering drawings (\$52.2K)
Buoy permitting, installation, maintenance (\$25K)
Marketing/fundraising
Apply for grants



Save the Mangrove Islands and Seagrasses

Phase 3

- Hired Taylor Engineering to get Permits





Save the Mangrove Islands and Seagrasses

Phase 3

- Hired Taylor Engineering to get Permits
- Adjacent Condos Installed Signs/Banner





Save the Mangrove Islands and Seagrasses

Phase 3

- Hired Taylor Engineering to get Permits
- Adjacent Condos Installed Signs/Banner
- Village, County, Federal endorsements
 - Village of Tequesta Council
 - Palm Beach County - Environmental Resources Mgt.
 - Federal Bureau of Land Management - Jupiter Inlet Lighthouse Outstanding Natural Area



Save the Mangrove Islands and Seagrasses

Phase 3

- Hired Taylor Engineering to get Permits
- Adjacent Condos Installed Signs/Banner
- Village, County, Federal endorsements
- **Started Fundraising**
 - Individuals - raised ~\$70K since June; ~\$85K in 2024
 - Foundations - partnership with Andrew “Red” Harris Foundation
 - Local businesses, NGO’s, Associations, etc.



Save the Mangrove Islands and Seagrasses

	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
	<i>“Get ready”</i>	<i>“Get specific!”</i>	<i>“Get permitted”</i>	<i>“Get construction-ready”</i>	<i>“Get in the water”</i>
Timing	2021-2024	May 2023 - April 2024	May 2024 - Jan 2025	Feb - July 2025	2025
Funding	\$25,000 <i>(fully funded)</i>	\$35,000 <i>(fully funded)</i>	\$80,000 <i>(need in hand ASAP)</i>	\$70,000 <i>(need in hand before 2025)</i>	~\$750,000 +/-, depending on cost sharing with BLM* and donations of materials/services
Source	Donation from private foundation	\$10K - Ocean Conservancy \$25K - a few local residents	Local residents Local foundations Local businesses	Individuals Foundations Businesses	Grants/ Appropriations Individuals Foundations Businesses
Purpose/ Work	Define Problem Build Community Engage Ocean Conservancy	Seagrass survey Concept designs Incorporation Website, Email, Marketing materials	Permitting & engineering drawings (\$52.2K) Buoy permitting, installation, maintenance (\$25K) Marketing/fundraising Apply for grants	Construction-ready drawings Bidding support Engineering support for construction Marketing/fundraising Apply for grants	Construction Post-construction environmental monitoring for 3 yrs Fundraising Receive grant awards

* BLM = Federal Bureau of Land Management - Jupiter Lighthouse Outstanding Natural Area



Save the Mangrove Islands and Seagrasses

How Can VoT EAC Help?

- Support our efforts - e.g. letter of support
- Spread the word
- Share funding and networking opportunities



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Q & A