Dinner Key Breakwater and Resilience Improvements









Project Introduction

- September 2017, Hurricane Irma causes extensive damage to Dinner Key Marina.
- City of Miami, with funding from FEMA and FIND, embarks on a multi-year restoration of the Marina. Repairs and upgrades include:
 - Storm damage repair and mitigation
 - Upgraded utilities (water, sewer, fire line and electrical)
 - The addition of Wi-Fi access and security cameras
 - Concrete and Finger Pier repairs of the nine (9) piers in the Marina
 - Enhanced public safety and access to a community-friendly atmosphere
 - Improved quality of life through shared spaces for long-term live aboard and visiting boaters, as well as for local and visiting residents
- Summer 2019, City of Miami requests supplementary funding from FEMA to implement a comprehensive mitigation plan to protect the marina and moorage.
- October 2021, Dinner Key Marina repairs and upgrades are complete.
- Fall 2021, City of Miami solicits Cummins Cederberg to execute the design and permitting of coastal structures that would further increase the resilience of the marina.

















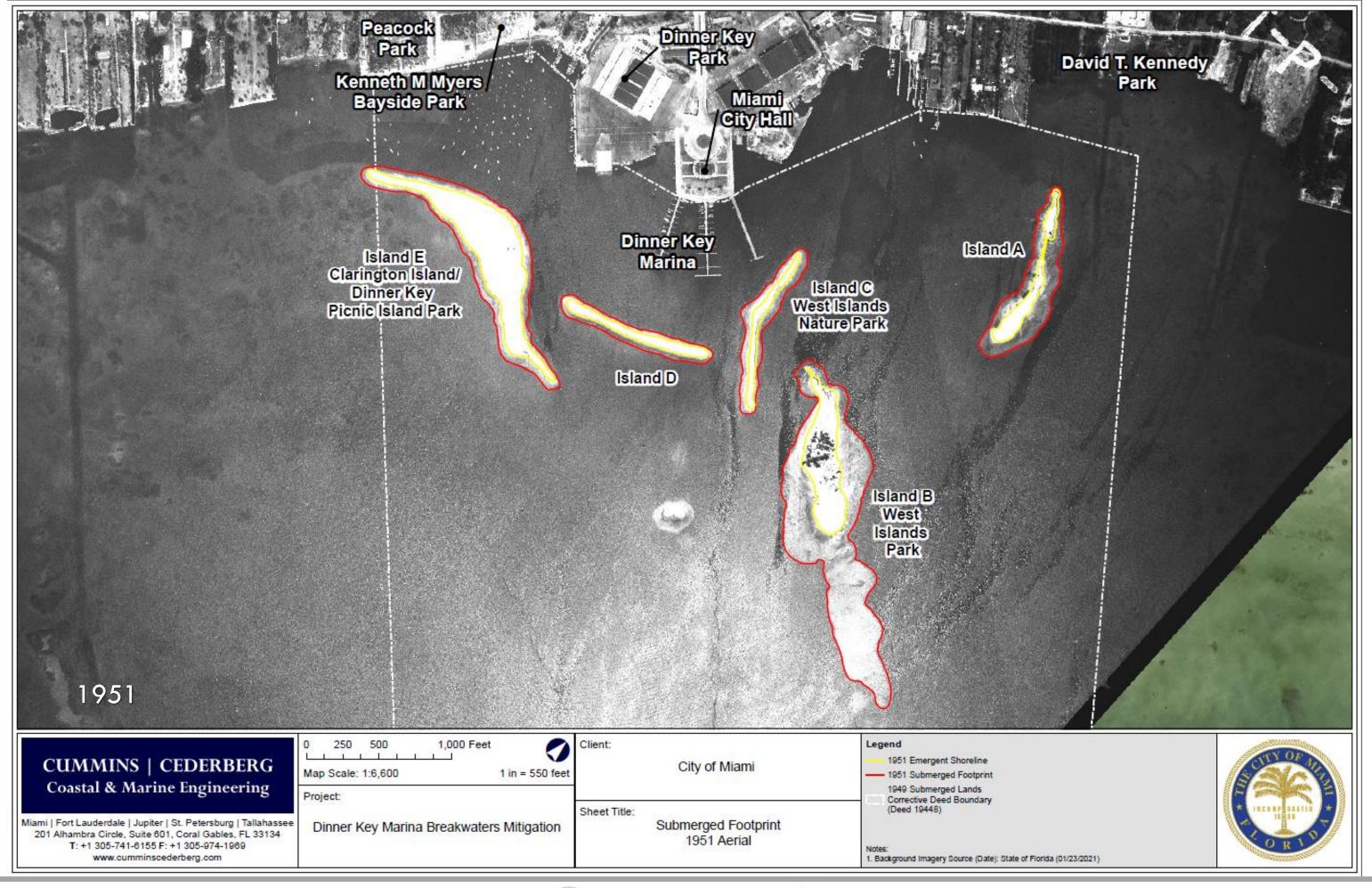
Image Source: HistoryMiami







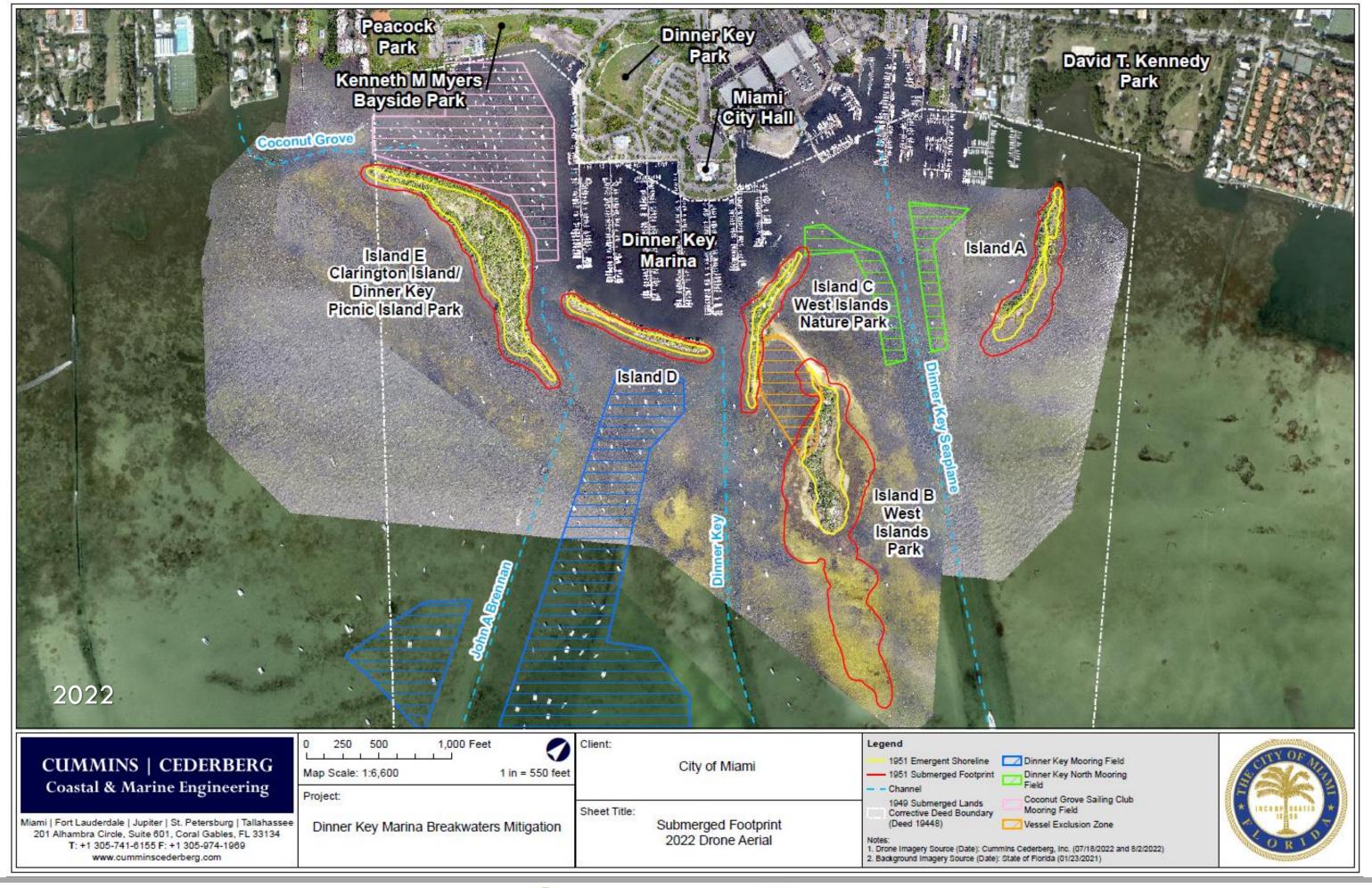


























HURRICANE IRMA 2017



Scope of Work

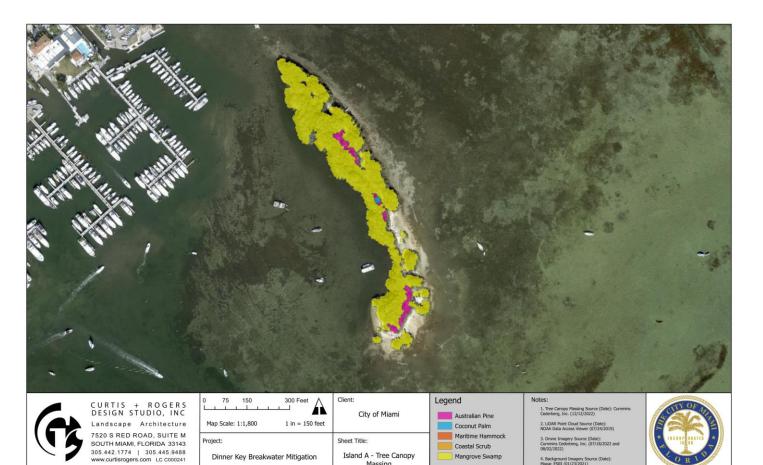
- **FEMA Grant:** To lessen and/or prevent damages from future similar events, the City has requested supplementary 406 mitigation funding to implement a comprehensive mitigation plan to *protect the marina and moorage*. This plan consists of *strengthening* and hardening of existing and repaired structures as well as comprehensive shoreline protection measures.
- City of Miami: Prepare three conceptual plans, of varying levels of design, showing the *layout of proposed improvements for all five islands* and potential additional features such as islands or rock breakwaters. The plans will also *include new design amenities* for the islands, as well as *innovative concepts to increase the overall resilience* and protection the islands offer to the region.



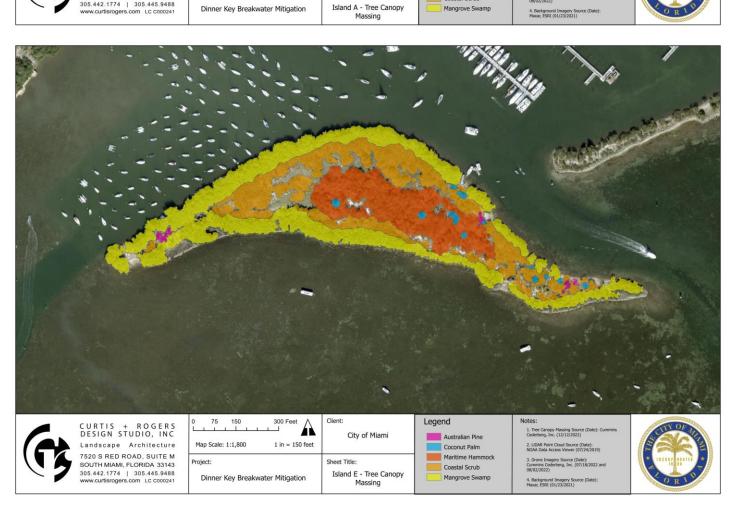


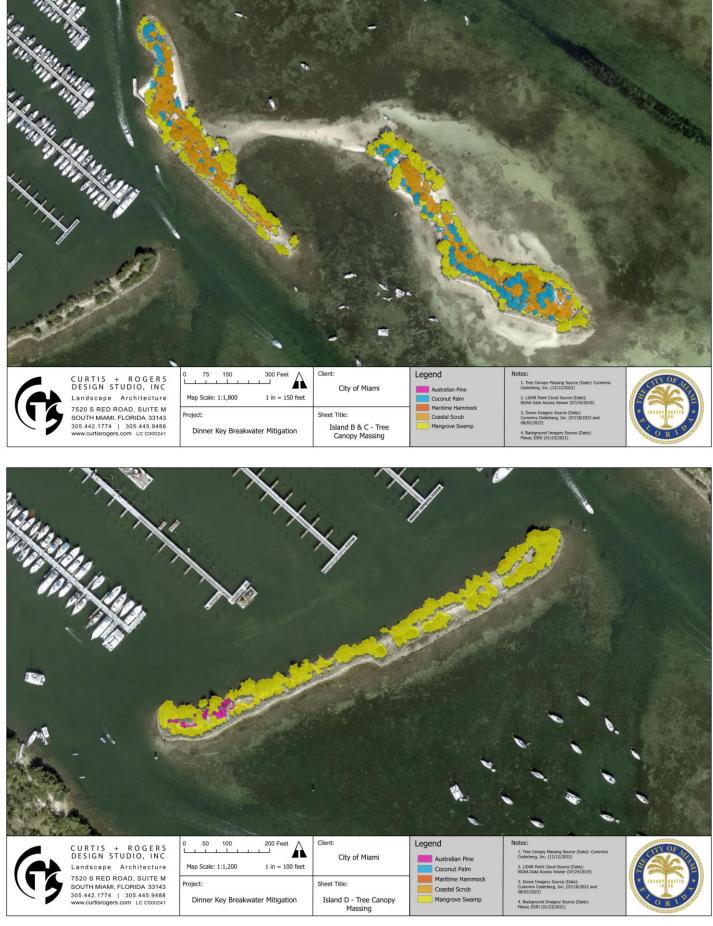


Canopy Identification Tree











Shoreline Identification











| Feet |
|------------|
| = 100 feet |
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Amenity Identification







| Map Scale: 1:1,800 | 1 in = 150 fe |
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| Project: | |







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| | Landscape | Architect |
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| FE M 3143 9488 00241 | Project: Dinner Key Breakwater Mitigation |

Chickee Hut Island E -Existing Amenities Activated Area







City of Miami

heet Title: Island B & C -Existing Amenities

Legend

Temporary Sh Chickee Hut Activated Area

3. Background Imagery 5 Maxar, ESRI (01/23/2021



Project Schedule

1.Phase I (Fall of 2022)

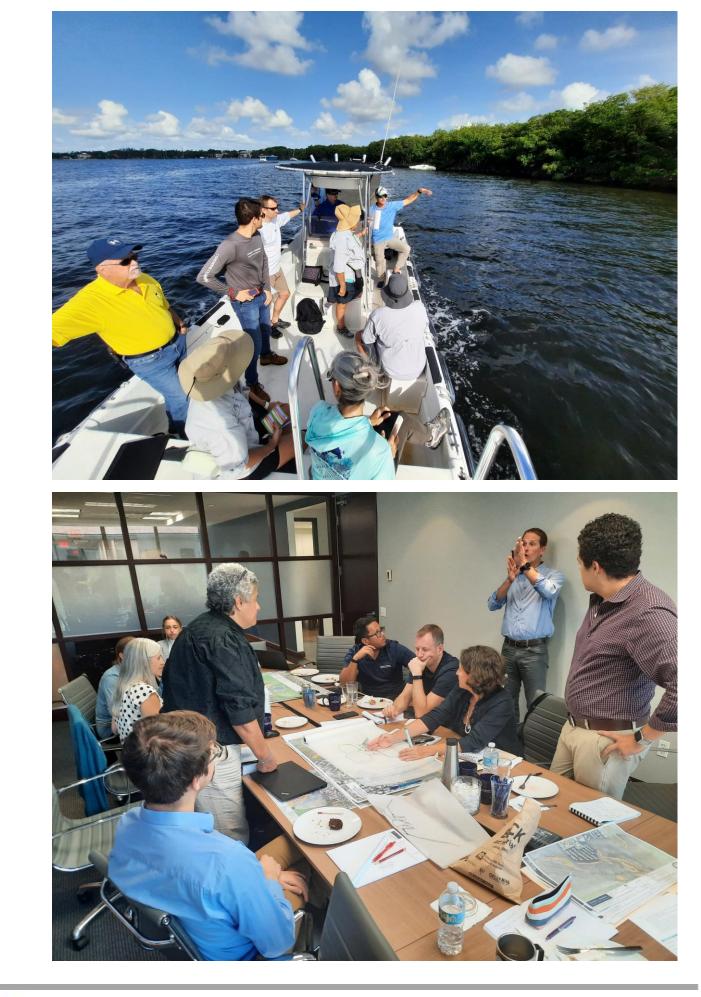
1. Data Collection and Analyses (July – December 2022) 🔽

2. Stakeholder Outreach (September - October 2022)

- 3. Public Outreach (January 2023) 🚽
- 4. Concepts (February 2023)

2.Phase II (2023 - 2027)

- 1. Design and Permitting (2023 2025)
- 2. Bidding and Construction (2025 2027)







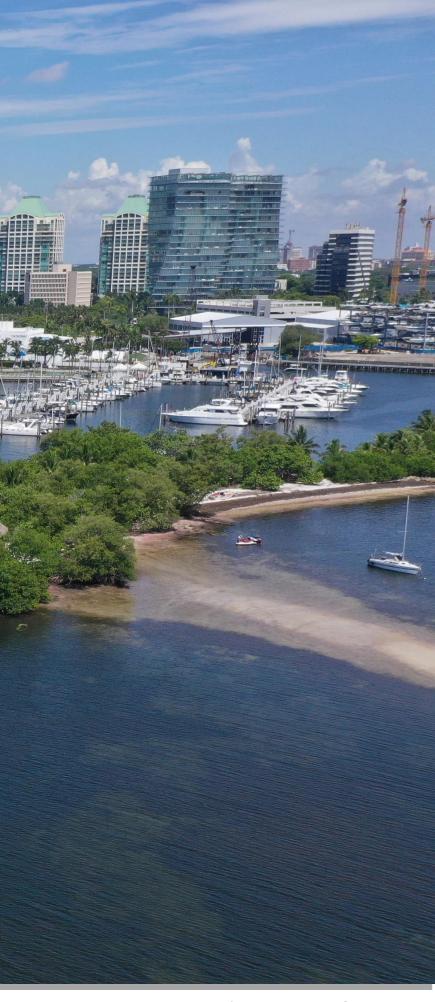


ENGAGEMENT ACTIVITIES









THANK YOU FOR PARTICIPATING!



PLEASE FILL OUT THE COMMENT CARDS PROVIDED OR SCAN THE QR CODE ABOVE



CUMMINS CEDERBERG I CURTIS + ROGERS DESIGN STUDIO

