

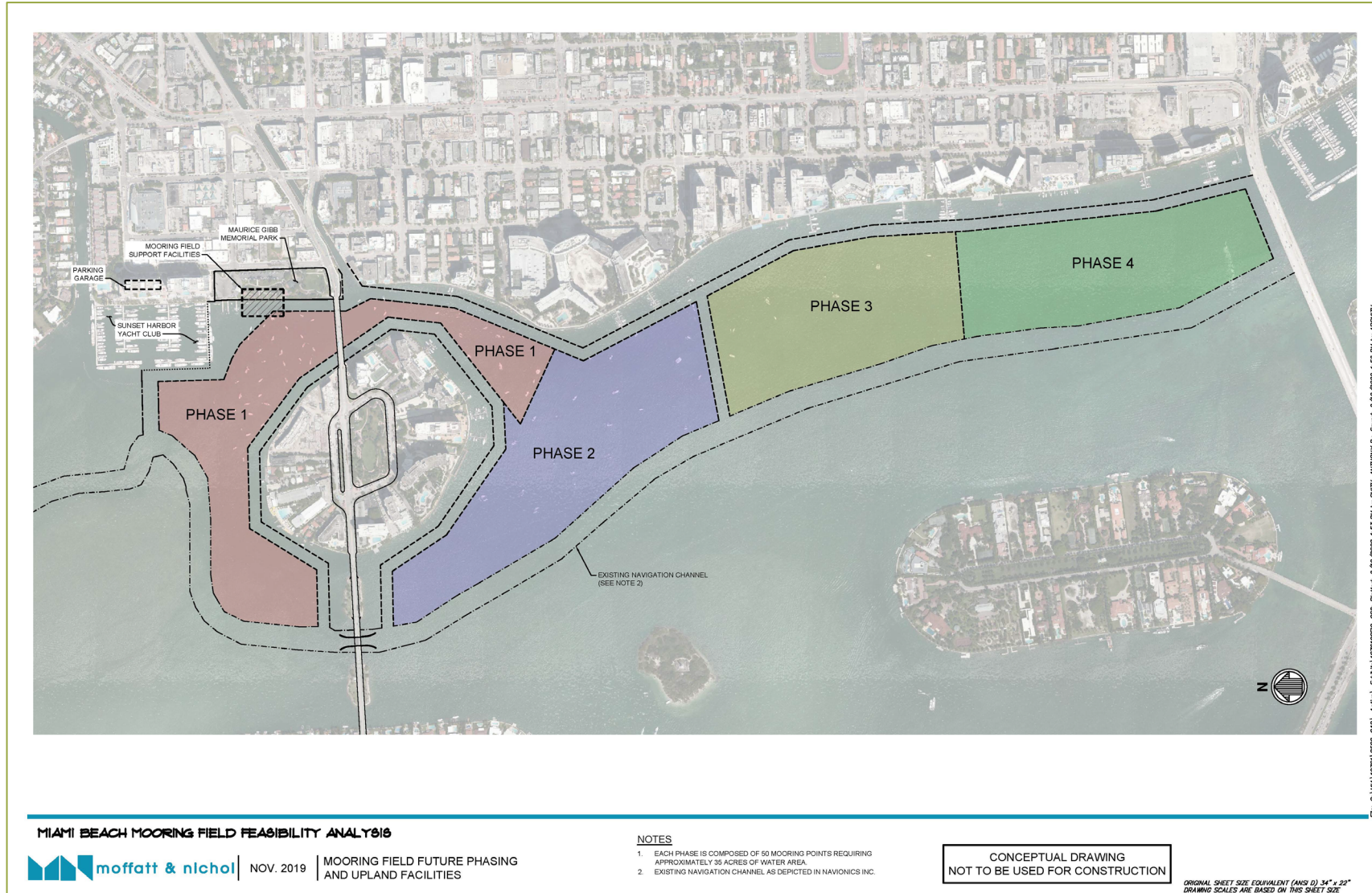
# Miami Beach Mooring Field Status Update

*May 27, 2022*

Finance and Economic Resiliency Committee

# Miami Beach Mooring Field

## 2020 Preliminary Analysis Phases



# Miami Beach Mooring Field

## Services Performed in 2022

*COMMUNITY ENGAGEMENT & PLANNING LEVEL  
INFORMATION TO SUPPORT DECISION-MAKING*

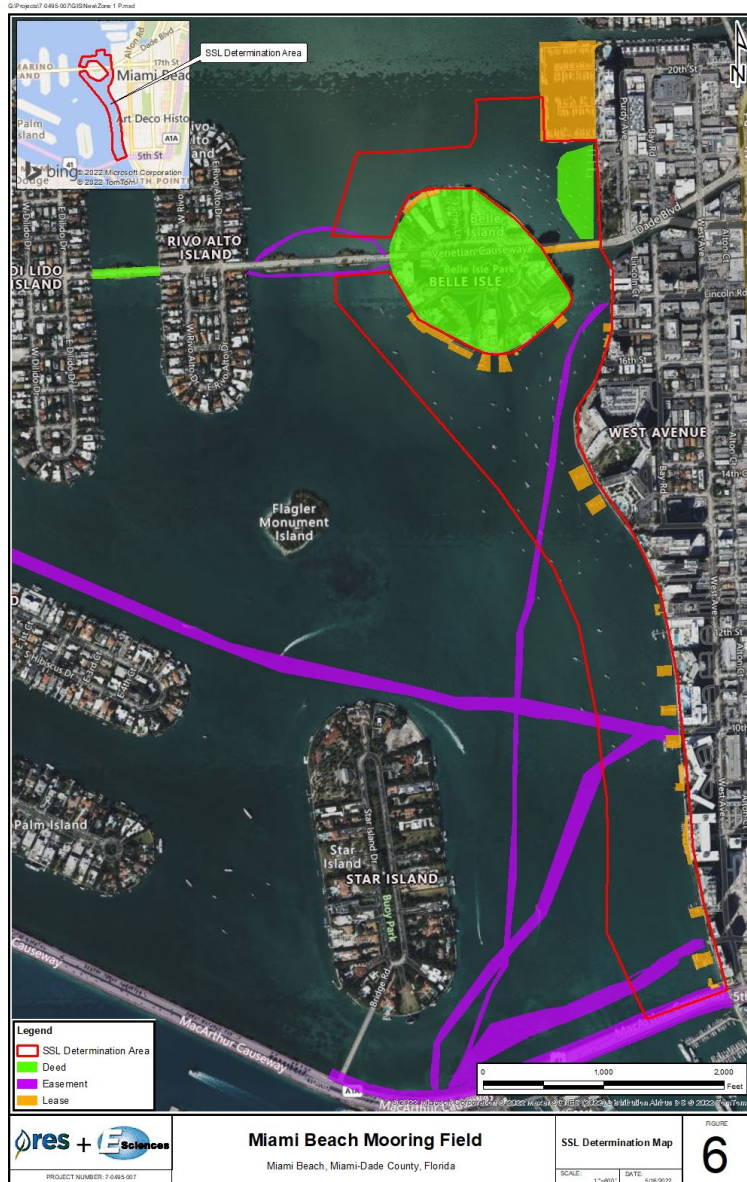
- **Public meetings**
- **Meetings with residents**
- **Submerged Lands Encumbrances**
- **Aerial photograph review**
- **Review other projects undergoing permitting in proposed area of mooring field**
- **Opinion of probable costs for design, permitting, construction and agency fees**
- **Meetings with environmental agencies**



# Miami Beach Mooring Field

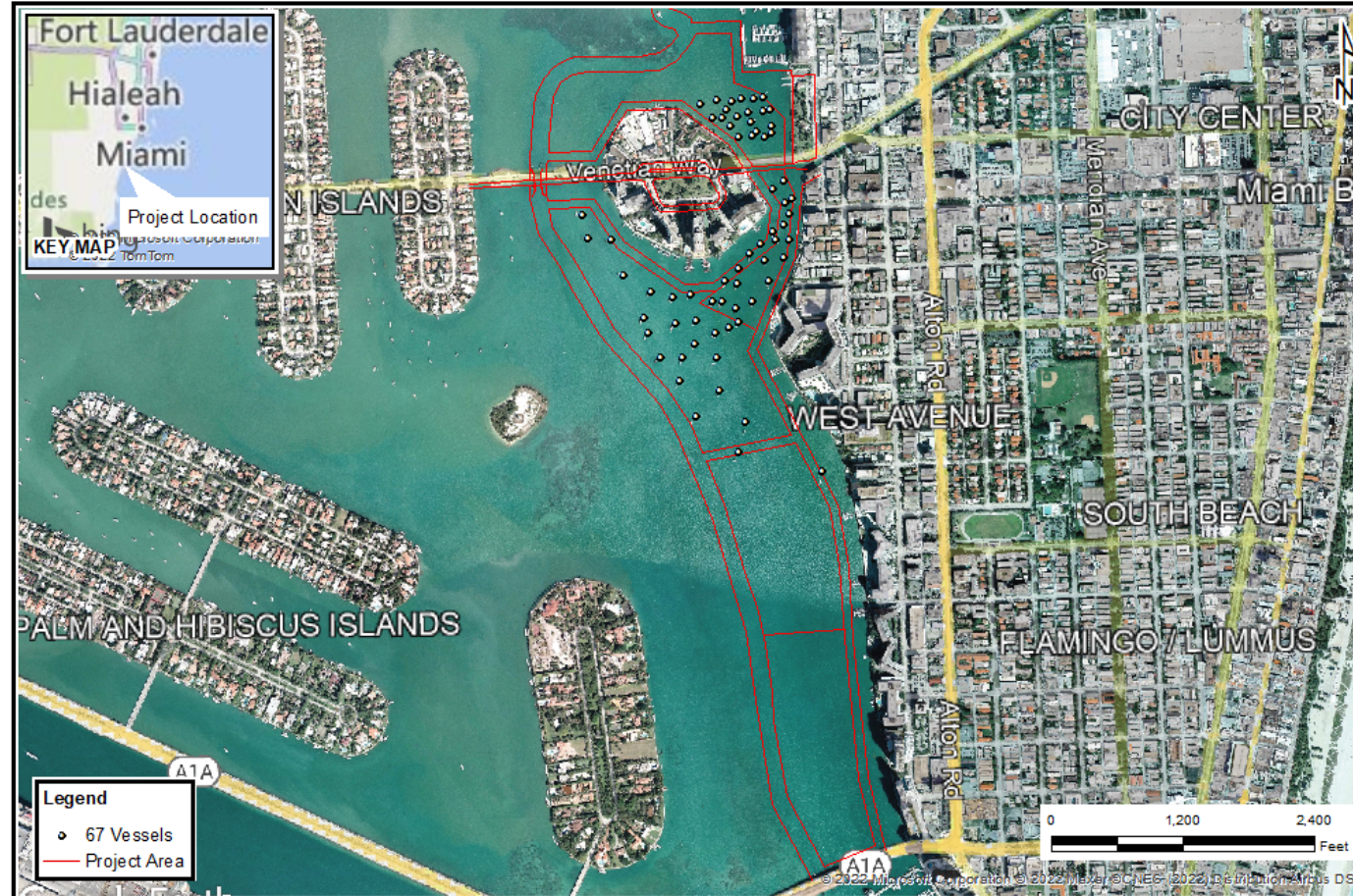
## Submerged Land Encumbrances

- Identify submerged lands leases, deeds and easements
- Identify subaqueous utilities
- Mooring Field will need to avoid conflict with existing lease areas
- City will need to coordinate with easement owners such as FPL, Florida Gas Transmission Company and FDOT
- Anchors will need to avoid utility conflicts



# Miami Beach Mooring Field

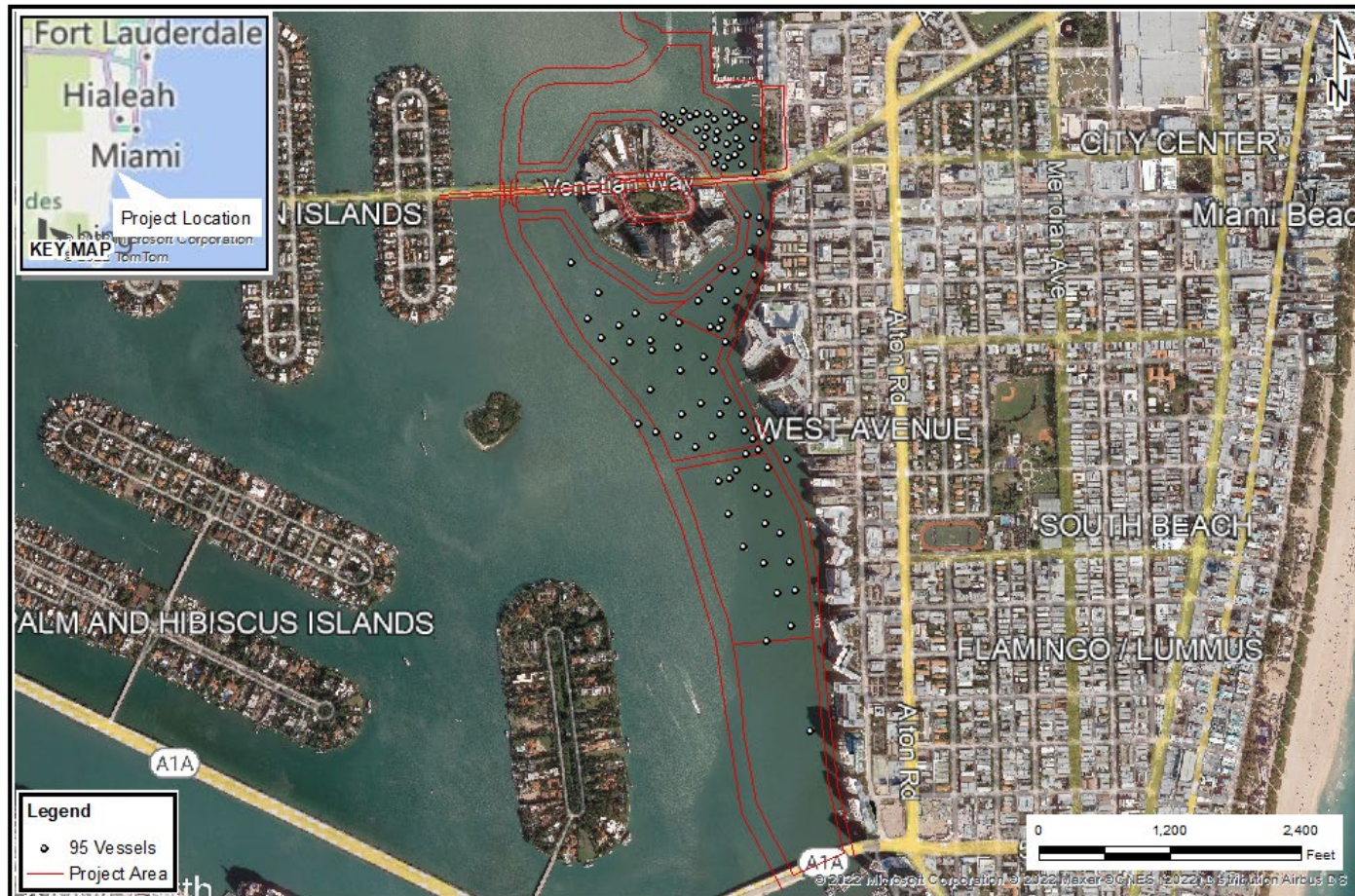
Aerial Images Demonstrate Historic Vessel Anchoring and Trends Over Time  
January 2005 Showing 67 Vessels



 PROJECT NUMBER: 7-0495-007	<b>Miami Beach Mooring Field</b> Miami Beach, Miami-Dade County, Florida		FIGURE <b>2</b>
	SCALE: 1" = 1,200'	DATE: 5/19/2022	

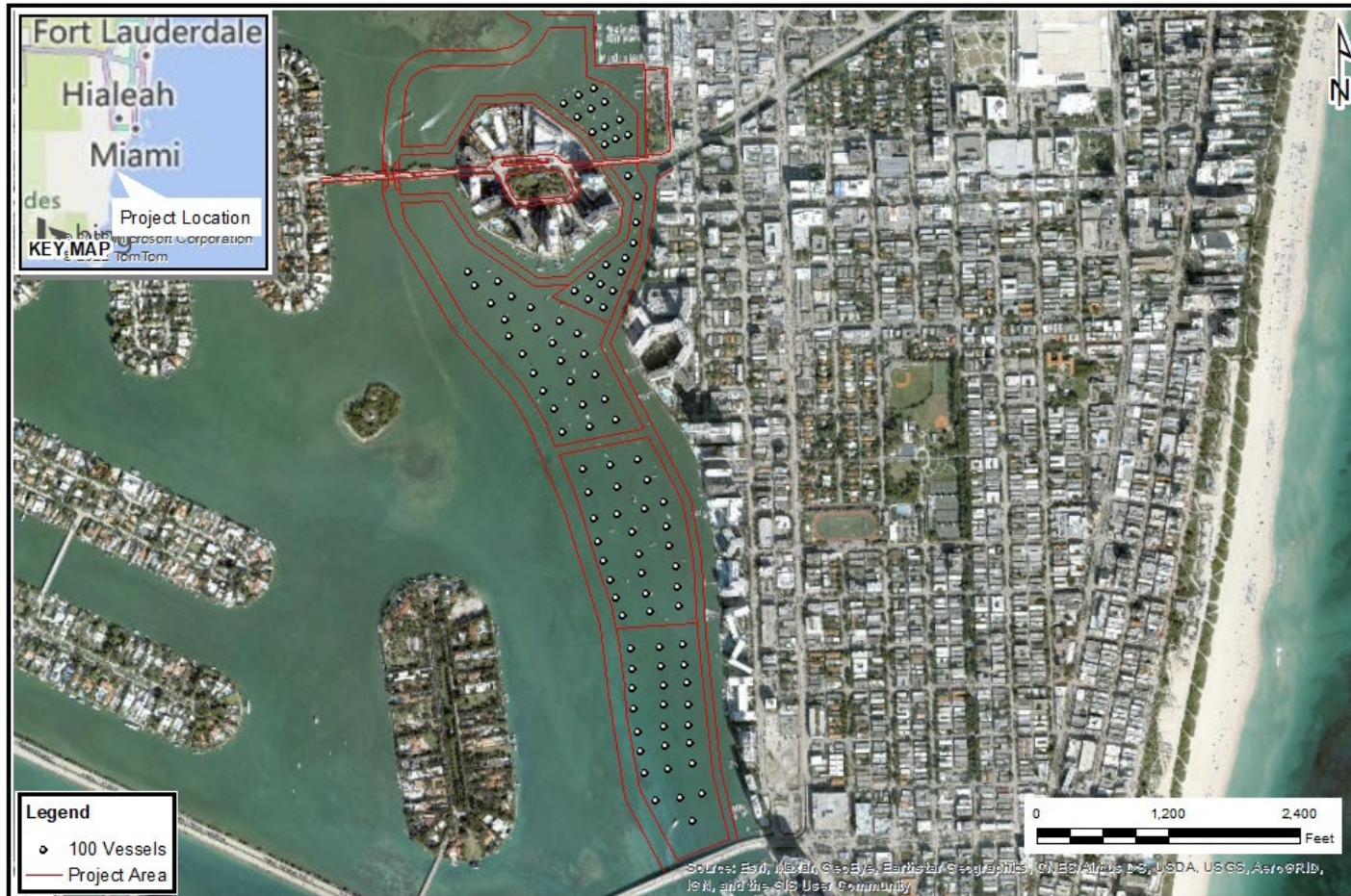
# Miami Beach Mooring Field

Aerial Images Demonstrate Historic Vessel Anchoring and Trends Over Time  
January 2020 Showing 95 Vessels



# Miami Beach Mooring Field

## Current Mooring Field Plan – Image Depicting 25 Slips Per Phase



- **Low density**
- **1.5+ acres for each vessel**
- **Consider increasing to 50 slips per phase, over time**

 PROJECT NUMBER: 7-0495-007	<b>Miami Beach Mooring Field</b>  Miami Beach, Miami-Dade County, Florida	<b>Mooring Field with 25 Slips per Phase</b>		FIGURE <b>5</b>
		SCALE: 1" = 1,200'	DATE: 5/19/2022	

# Miami Beach Mooring Field

## Environmental Agency Meeting Takeaways

- **Agencies with Jurisdiction**
  - **Florida Fish & Wildlife Conservation Commission (FWC)**
  - **U.S. Army Corps of Engineers**
  - **Florida Department of Environmental Protection (FDEP)**
  - **Miami-Dade County DERM**
- **Submerged Lands Lease**
- **Upland Amenities**
- **Flexibility in permitting and entering State lands lease in stages**
- **Mooring field accessible to general public**



**Environmental Improvements – one of the goals of the project to include elimination of derelict vessels**



# Miami Beach Mooring Field

## Staging Cost Comparison

Planning Level Costs for Design, Permitting and Construction in Stages			
	Four Phases in One Stage	Three Phases in One Stage and One Phase in One Stage	Four Phases in Four Stages
Design and Permitting	\$500K	\$700K	\$1.1M
Construction	\$2.2M	\$2.6M	\$3.2M
<b>Total</b>	<b>\$2.7M</b>	<b>\$3.3M</b>	<b>\$4.3M</b>

Costs do not include pumpout vessel, upland support facilities, City staff time or management. These costs were developed to provide a general comparison of the magnitude of costs for various options and should not be used for any other purpose.

Potential State Annual Lease Cost	
Revenue Generating Operation	\$2.5M
Non-Revenue Generating Operation	\$0 (fees waived)

These potential lease costs are based on \$0.38 per square foot and an assumed lease area of 150 acres based on the initial planning mooring field polygon. FDEP will determine the lease fees will be based on the actual size of lease area during permitting.

# Miami Beach Mooring Field

## Staging Schedule Comparison

Design and Permitting Time Frames		
One Stage	Two Stages	Three Stages
2 years	4 years	6 years

Based on each work for each stage in succession with no overlap  
Does not include time to procure consultant

# Miami Beach Mooring Field

## Recommendations for Design and Permitting

- Develop layout for four phases
- Non-revenue generating operator
- Evaluate management options
- Permit all four phases at one time
- Permit 200 slips
- Initially construct a phases to accommodate existing needs
- Phasing – adapt to the market
- Seek additional funding

