

MIAMI HARBOR, FLORIDA

NAVIGATION IMPROVEMENT STUDY STATUS WEBINAR

Laurel Reichold, Project Manager
Ashleigh Fountain, Planning Lead
Jacksonville District
U.S. Army Corps of Engineers
April 26, 2019



PORTMIAMI



US Army Corps
of Engineers®



AGENDA

- Introductions
- Meeting Purpose:
To provide an update on study progress.
- Study Updates
- Closing

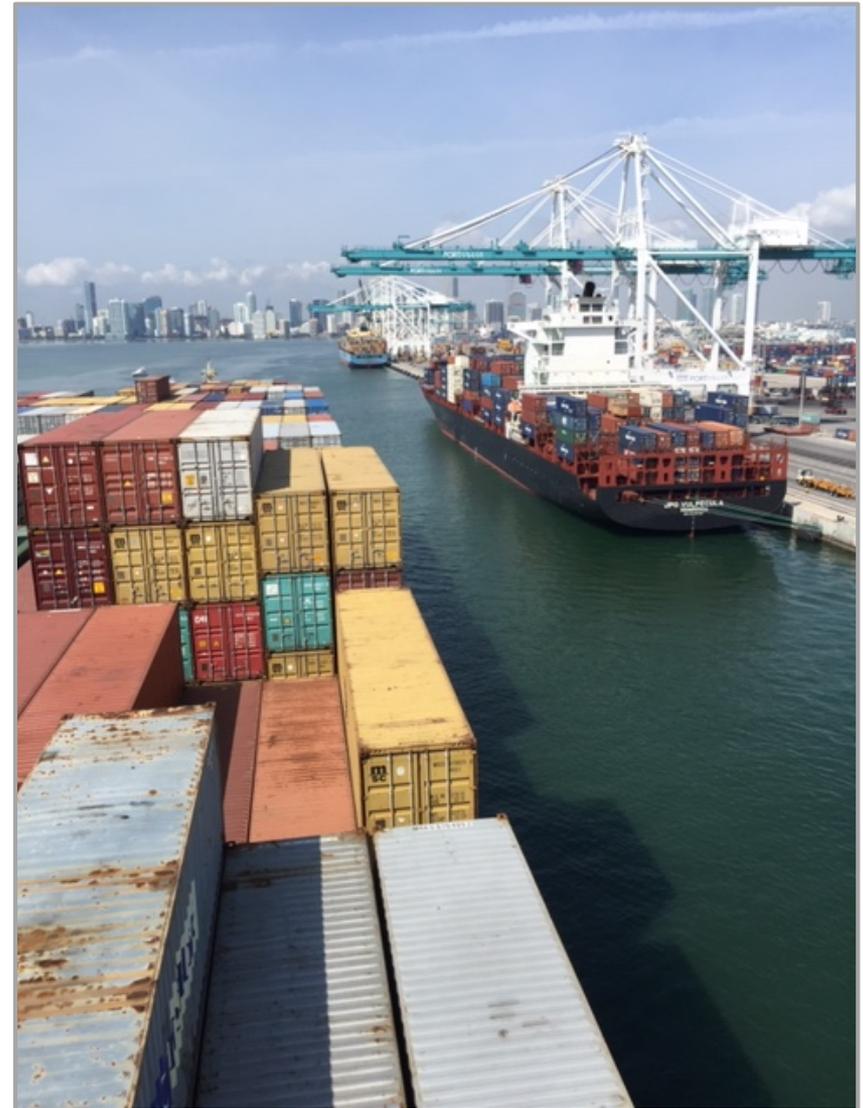
STUDY EMAIL:

[CESAJ-
MiamiHarbor@usace.army.mil](mailto:CESAJ-MiamiHarbor@usace.army.mil)

STUDY WEBPAGE:

<https://www.saj.usace.army.mil/MiamiHarborNavigationImprovementStudy/>

FACA: Federal Advisory
Committee Act



US Army Corps
of Engineers®



STUDY AUTHORITY & SPONSOR

Authority: Section 216 of the Flood Control Act of 1970 (33 USC 426 et seq) as amended

Sponsor: PortMiami, Miami-Dade County



PORTMIAMI



US Army Corps
of Engineers®



MIAMI HARBOR NAVIGATION IMPROVEMENT STUDY



FEDERAL INTEREST – WHY A NEW STUDY?

- Existing navigation restrictions contribute to delays and transportation cost inefficiencies
- Current channel depths and widths restrict vessels transiting Miami Harbor
- Miami Harbor contributes to National Economic Development:
 - ~5.1 million cruise passengers annually
 - ~8 million tons of cargo annually
 - One of the top 3 Container Ports in Florida



US Army Corps
of Engineers®



STUDY OBJECTIVES

- Reduce navigation transportation costs to and from Miami Harbor to the extent possible over the 50-year period of analysis, starting in 2025.
- Reduce navigation transportation costs within Miami Harbor over the 50-year period of analysis, starting in 2025.
- Develop an alternative that minimizes impacts to environmental resources, while providing safe, reliable, and efficient navigation for Miami Harbor over the 50-year period of analysis, starting in 2025.

POSTERS FROM SCOPING MEETINGS



STUDY SCHEDULE

SCOPING

1

ALTERNATIVES MILESTONE

Vertical Team concurrence on Array of Alternatives
12/10/18

ALTERNATIVE FORMULATION & ANALYSIS

2

TENTATIVELY SELECTED PLAN (TSP) MILESTONE

Vertical Team concurrence on TSP
JAN 2020

FEASIBILITY-LEVEL ANALYSIS

3

AGENCY DECISION MILESTONE

Agency Endorses Recommended Plan
OCT 2020

SENIOR LEADER PANEL

Release for State & Agency Review
SPRING 2021

CHIEF'S REPORT

5

CHIEF'S REPORT

9/3/2021

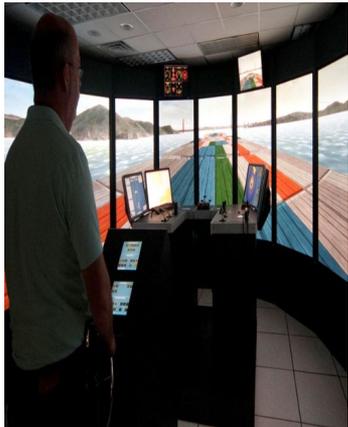
- Ship Simulation – The Biscayne Bay Pilots will transit vessels into PortMiami under an array of conditions and channel configurations
- Environmental Impacts Analysis
 - Cultural Resource Surveys
 - Endangered Species Act Surveys, Essential Fish Habitat Surveys
 - Mitigation and Monitoring Plan Development
- Economic Evaluation - Future without Project, Future with Project; Compare
- Conceptual Channel Designs & Cost Estimates compared to Economic benefits

ENGINEERING TASKS

- Geotechnical Analysis/Surveys – Additional Vibracores to be taken, locations TBD
- Dredge Quantities Evaluation – has not begun, remains TBD
- Storm Surge Modeling – Identifying model, has not begun
- Salinity Modeling – Identifying model, has not begun
- Ship simulation – In-Field ADCP (Acoustic Doppler Current Profiler) model calibration underway (water level and water current data collection completed); ship simulations to start Summer 2019

More Info on Ship Simulation:

<https://www.erdc.usace.army.mil/Media/Fact-Sheets/Fact-Sheet-Article-View/Article/476712/erdc-shiptow-simulator/>

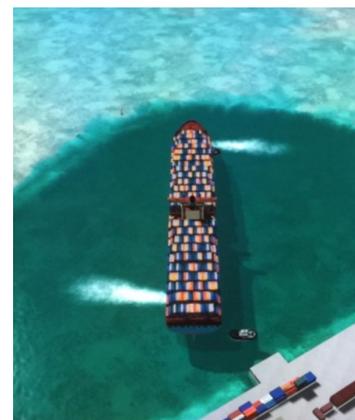


US Army Corps
of Engineers®



ECONOMICS ANALYSIS TASKS

- HarborSym Existing Conditions Model – Underway
- HarborSym Future without-Project (FWOP) Conditions Model – has not begun
- HarborSym Future with-Project (FWP) Conditions Model – has not begun
- Economics Evaluation (Benefits vs. Costs) – Development of Net Benefits for Array of Alternatives; Benefits not yet determined; Costs not yet generated



US Army Corps
of Engineers®



ENVIRONMENTAL ANALYSIS TASKS

- Cultural Resource Surveys – has not begun
- Benthic/ Hardbottom Surveys – Coordination with NMFS ongoing to develop the survey protocol– surveys scheduled to commence Summer 2019
- Environmental Impacts Analysis – Ongoing; researching additional articles, data, info related to benthic resource conditions, recreational value of reef resources, construction minimization measures, potential mitigation options for coral relocation, artificial reef construction, etc.
- Stakeholder Coordination (Sponsor, Agencies, Public, etc.) – Ongoing; Have a comment? Send it to: CESAJ-MiamiHarbor@usace.army.mil



ROUGH CACTUS CORAL



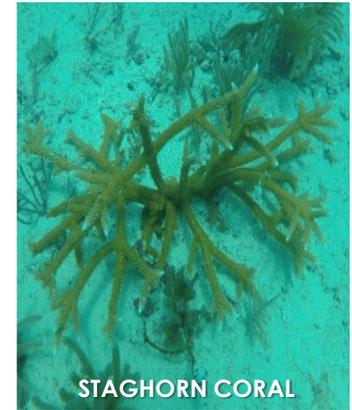
FLORIDA MANATEE



GREEN SEA TURTLE



SEAGRASS HABITAT



STAGHORN CORAL

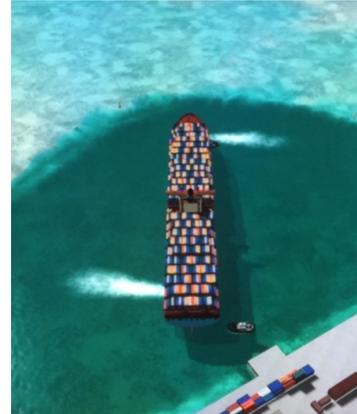


US Army Corps
of Engineers®



MORE INFO

- We will post this presentation on our webpage:
<https://www.saj.usace.army.mil/MiamiHarborNavigationImprovementStudy/>
- If you would like to submit a comment, please send to:
CESAJ-MiamiHarbor@usace.army.mil
- We plan to continue these status update calls, stay tuned to our webpage, news releases, and social media.
 - Facebook: <https://www.facebook.com/JacksonvilleDistrict/>
 - Twitter: @jaxstrong
 - Our next webinar is scheduled for July 2019
- THANK YOU!



PORTMIAMI



US Army Corps
of Engineers®



U.S. ARMY

PLEASE SUBMIT ALL PUBLIC COMMENTS TO:
CESAJ-MiamiHarbor@usace.army.mil
