

# JACKSONVILLE HARBOR (MILE POINT) NAVIGATION STUDY

Duval County, Florida

Feasibility Report and  
Environmental Assessment

2012 Environmental Symposium  
August 17, 2012



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US ARMY CORPS OF ENGINEERS | Jacksonville District

# EARLY MILE POINT HISTORY

## 1896

- Deepen harbor from 12.5 feet to 18 feet
- Improve shoaling conditions at Dames Point, Cedar Creek and Mile Point with training dikes and dredging (originally constructed by local interests)

## 1910

- Deepen harbor to 30 feet
- Augment existing Mile Point Training Wall

## 1931\*

- Repair 5,990 feet of Mile Point Training Wall to original design elevation of 6 feet above MLW

\* Post-1931: repair of the landward end of the Mile Point Training Wall in 2001 (O&M)



# Study Purpose

- Eliminate or alleviate the crosscurrents occurring during the ebb flow at the confluence of the St. Johns River with the Intracoastal Waterway (IWW)
- Develop/evaluate alternative plans to reduce the effects of the crosscurrents on the Mile Point shoreline and restrictions to navigation for vessels transiting Jacksonville Harbor



~ 5000 feet of shoreline along the north shore of the St. Johns River, east of the IWW

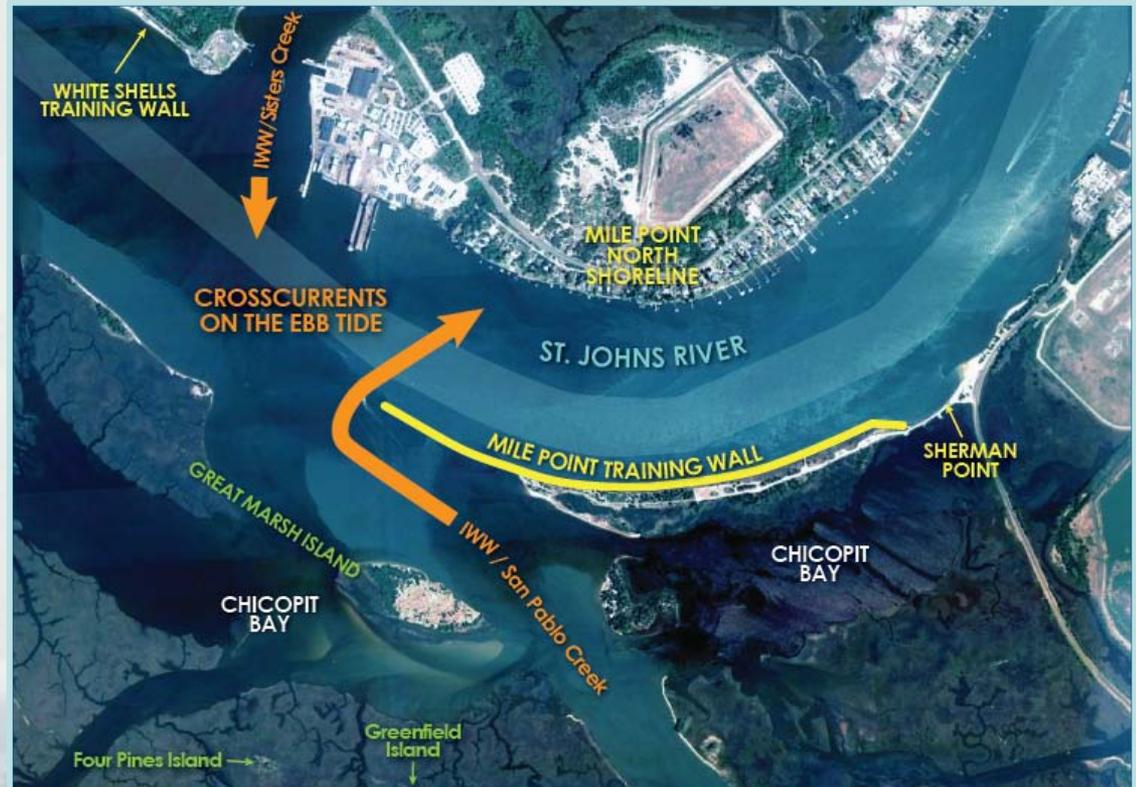


MILEPOINT



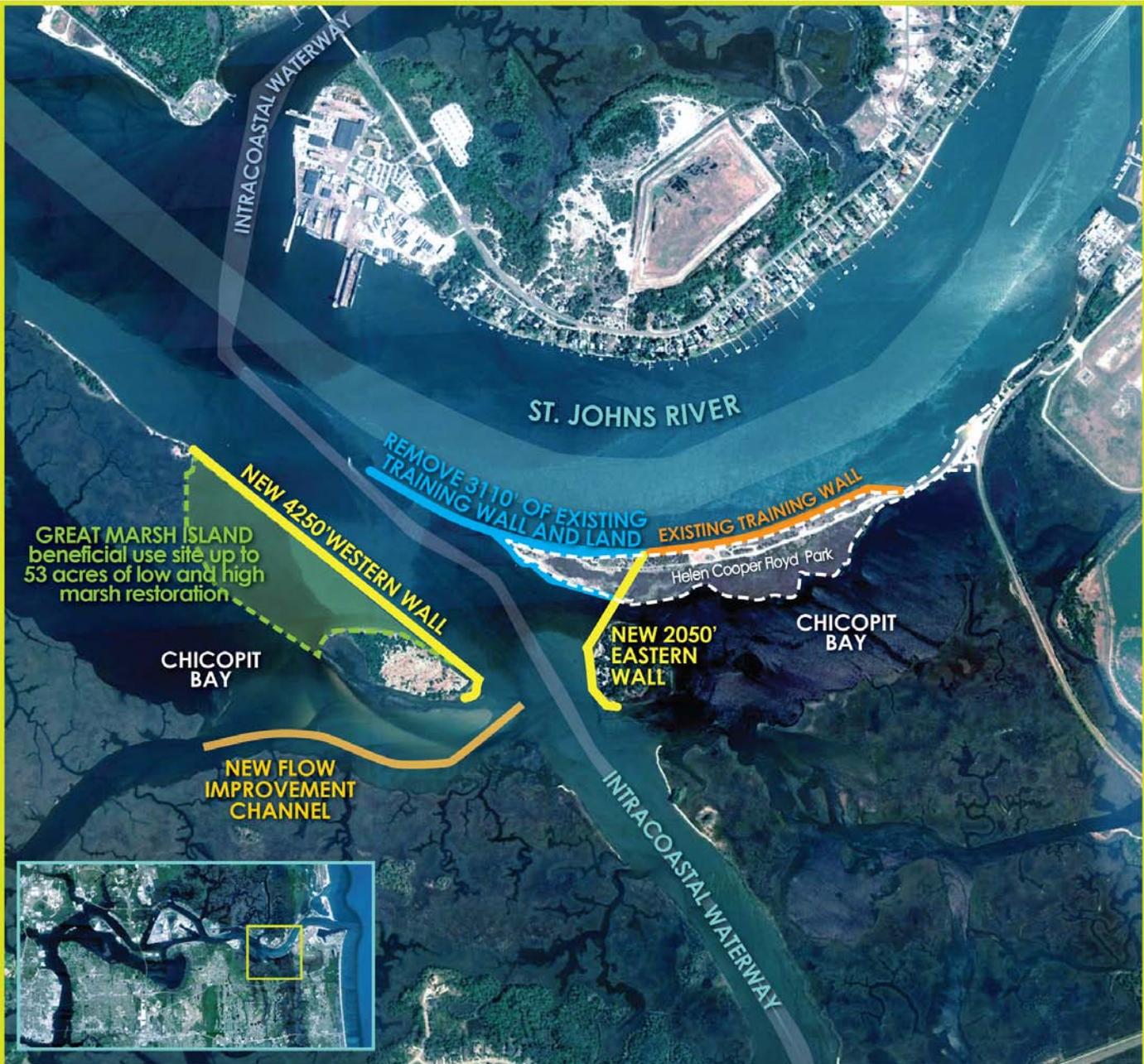
# Mile Point Problems/Opportunities

- Difficult crosscurrents at the confluence of the IWW and the St. Johns River during the ebb tide result in:
  - Navigation Restrictions during the ebb tide on vessels transiting with a draft >33 feet or 34 feet depending upon the vessel type
  - Concerns about how the crosscurrents impact the Mile Point shoreline



# Relocation/ Reconfiguration of the Mile Point Training Wall

- Existing Training Wall
- Training Wall Removal
- New Training Wall
- Great Marsh Island Restoration
- Flow Improvement Channel



# Project Implementation

- Key Dates:
  - July 2011: Public Coordination of Draft Report
  - August 2011: Public Workshop
  - October 2011: Division Engineer Transmittal Letter, Initiate Design
  - April 2012: Chief of Engineer's Report
  - 2013: Begin Construction - Pending Authorization and Appropriations
- Construction Duration: 465 Days\*
  - 375 days: Construction of Relocated Training Wall (Phase I)
  - 90 days: Great Marsh Island Final Grading (Phase II)

\*Does not include 365 day material consolidation period between completion of Phase I and Phase II