

# REINITIATION OF THE COLLIER COUNTY COASTAL STORM RISK MANAGEMENT STUDY

## BOARD OF COMMISSIONERS PRESENTATION

Norfolk District  
U.S. Army Corps of Engineers  
24 January 2023



US Army Corps  
of Engineers®





# BOTTOM LINE UP FRONT



The integrated USACE and Collier County project team **requests concurrence from the Board of Commissioners** to reinitiate the Collier County Coastal Storm Risk Management (CSRSM) feasibility study.

**Study Purpose:** Evaluate coastal storm risk and recommend a plan that would manage risk by reducing storm-related economic damage and improving resiliency in Collier County, FL

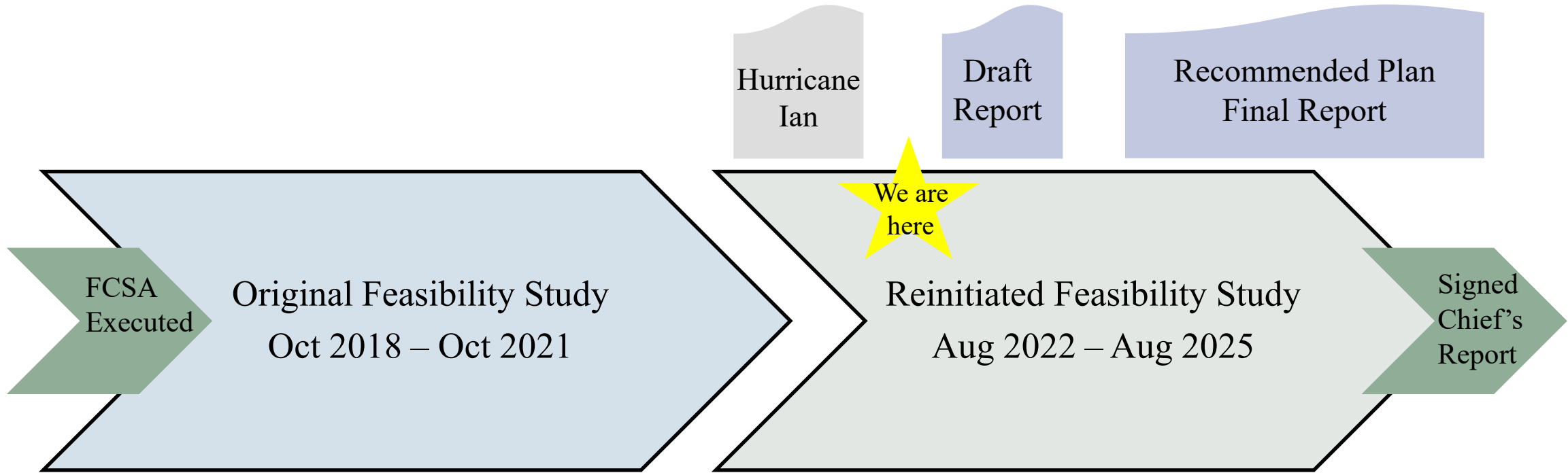
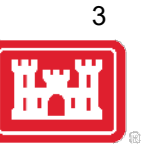
### **Goals Unique to Study Re-Initiation**

- Reengage Collier County community to address agency, stakeholder, and public comments and concerns from the first iteration of the study
- Reformulate the 2021 Recommended Plan using updated information and lessons learned
- Increased public coordination to promote community awareness and cooperation





# COLLIER COUNTY CSRM FEASIBILITY STUDY: PAST TO PRESENT



**Why are we here?**  
 Coastal storms present significant risk to the community and local economic livelihood. Collier County has advocated for a beach study for years, and this study is an opportunity for Collier County to partner with USACE to determine a risk management recommendation.



# COLLIER COUNTY CSRM FEASIBILITY STUDY: PAST TO PRESENT



Event	Date
Feasibility Cost Share Agreement signed - 3-year Feasibility Study Began	9 October 2018
Tentatively Selected Plan Milestone	March 2020
Draft Integrated Feasibility Report and Environmental Impact Statement Public Release (45-day comment period)	July 2020
Agency Decision Milestone	December 2020
Environmental Compliance Policy Exemption Denied by Office of the Assistant to the Secretary of the Army	September 2021
Final Integrated Feasibility Report and Environmental Impact Statement Public Release (30-day review)	N/A
End of 3-year Feasibility Study	October 2021
Time and Funding Exemption Request Approved for Additional Three Years and \$2.97M; <b>Study Reinitiated</b>	<b>2 August 2022</b>

The USACE and Collier County team agreed to pursue the time and funding exemption waiver during the final report review process. Therefore, the final report was never publicly released, and the 3-year study was never completed.



# STUDY BACKGROUND AND PURPOSE



**Study Purpose:** This study is an interim response to Section 4033 of the Water Resources Development Act of 2007 (Public Law 110-114) and the purpose is to formulate and evaluate various alternatives aimed at reducing damage and erosion caused by coastal storms and recommend a plan for congressional authorization.

**Cost:** This study is 100% federally funded. The reinitiated study was approved for \$2.97 million. Including the first iteration of the study that ended in October 2021, the total cost of the study will be \$5.97 million.

**Schedule:** The reinitiated study was approved for an additional three years and is anticipated for completion in August 2025.

**Non-Federal Sponsor:** Collier County



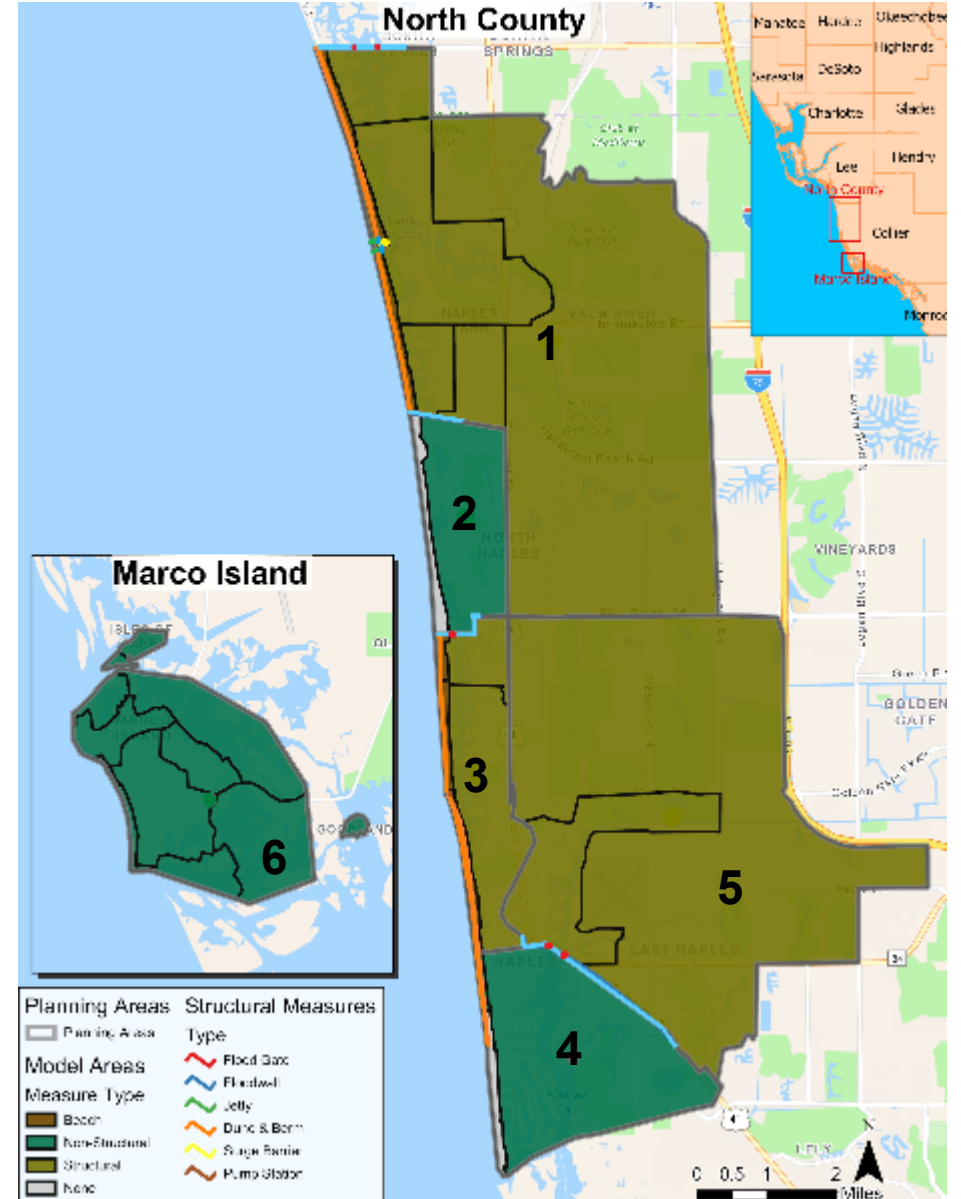


# BRIEF 2021 RECOMMENDED PLAN OVERVIEW



**2021 Recommended Plan:** The 2021 recommended plan included beach berm and dune nourishment, structural measures, and nonstructural measures including Critical Infrastructure across six Planning Areas (PAs).

- **Beach Berm and Dune Nourishment:** Approximately 11 miles of beach and dune nourishment in PA1, PA3, and the northern portion of PA4.
- **Structural Measures:** Four floodwalls (with gates), two surge barrier systems, and two jetties at Wiggins Pass in PA1, PA3, and PA5. Approximately 39,100 buildings would have been impacted by these measures.
- **Nonstructural Measures:** Floodproofing and elevations for a total of 778 buildings. Elevations were recommended for residential buildings in PA2, PA4, and PA6. Floodproofing was recommended for commercial buildings and Critical Infrastructure (hospitals, EMS, police, etc.)





# 2021 RECOMMENDED PLAN - BEACHES

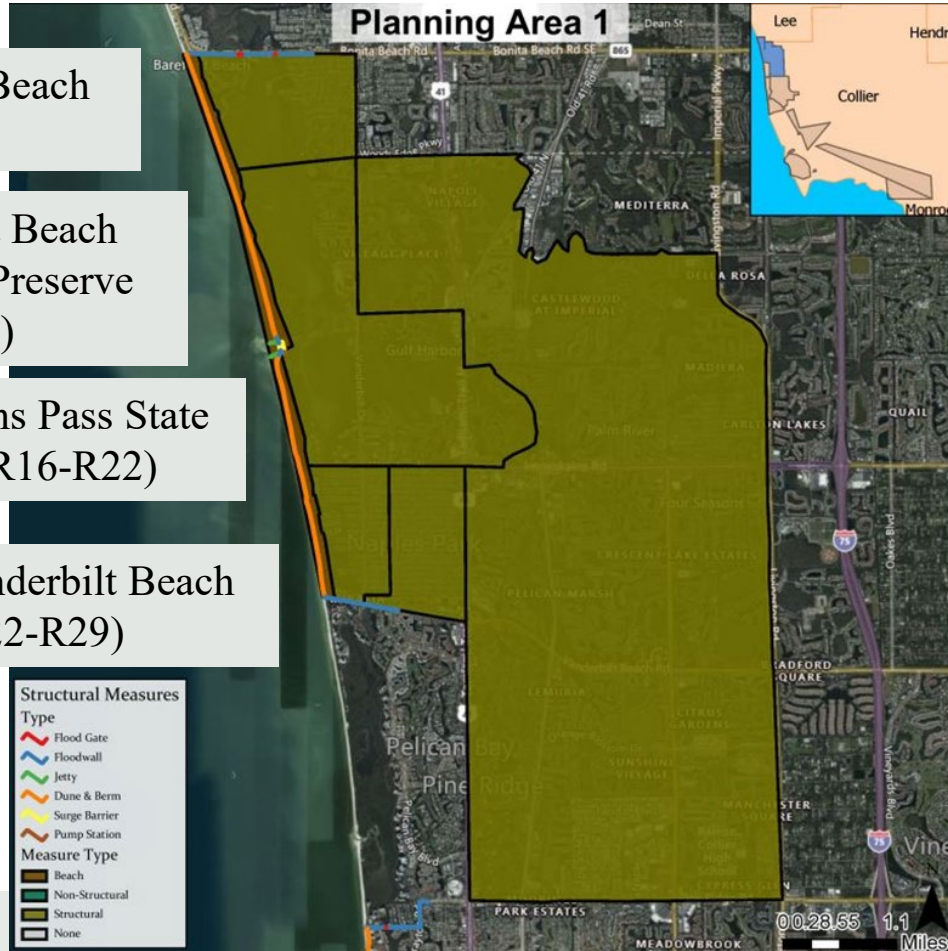


Barefoot Beach (R1-R9)

Barefoot Beach County Preserve (R9-R16)

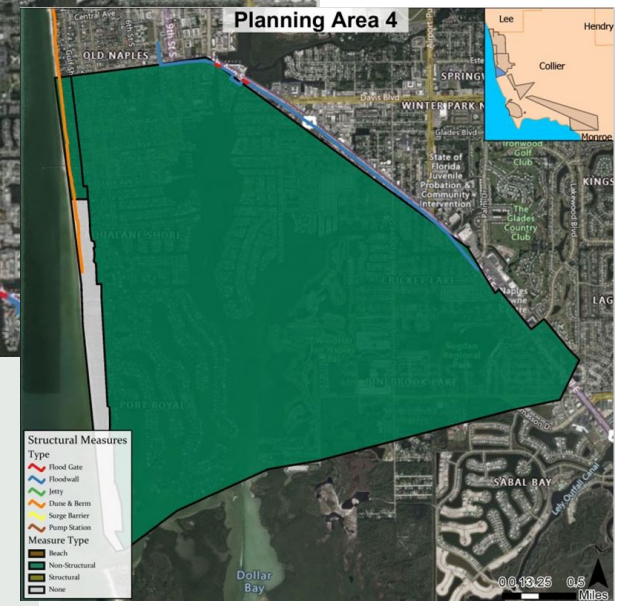
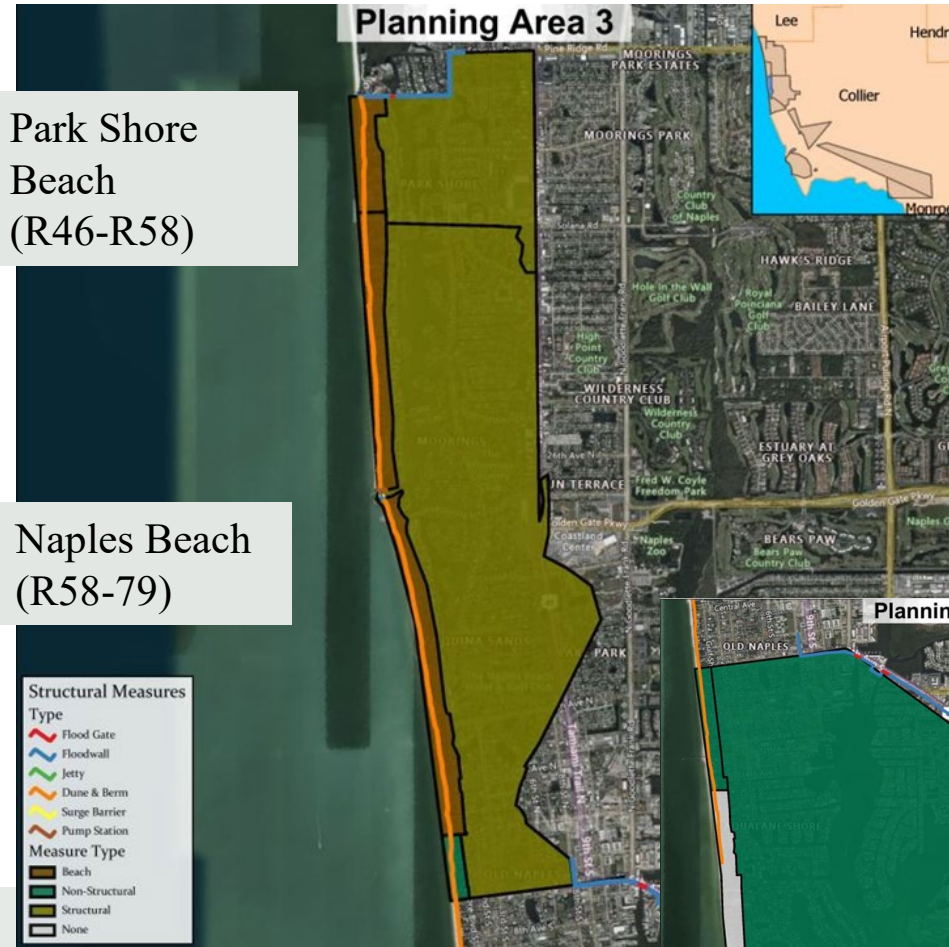
Wiggins Pass State Park (R16-R22)

Vanderbilt Beach (R22-R29)



Park Shore Beach (R46-R58)

Naples Beach (R58-79)



- All North County study area beaches (Planning Areas 1 – 4) will be reevaluated in the upcoming study effort.
- NOT included in North County Beaches: Pelican Bay (R29 – R41), Clam Pass Park (R42 - R46), and Gordon Pass Reach (R79 – R89)



# WHAT WILL BE DIFFERENT THIS TIME?

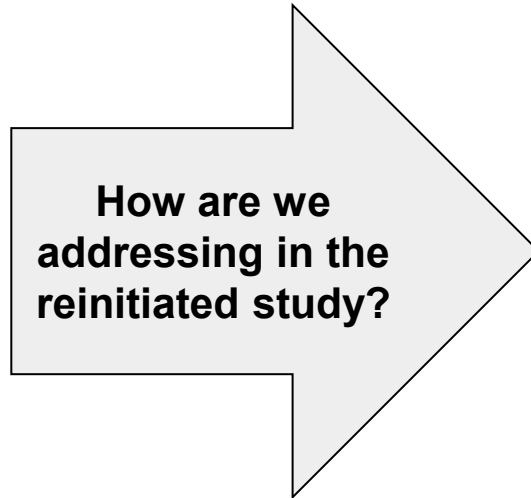


## Previous Study

General concerns with proposed structural measures related to their environmental impacts

Concerns with the proposed beach dune and berm nourishment measure not including PA2 and full PA4

The final report, including the draft report agency and public comments with USACE responses, was never released



## Reinitiated Study

The 2021 Recommended Plan will be reformulated and reevaluated

Beach and dune nourishment will be reinvestigated using updated information for all North County beaches (PA1 – PA4)

Comments received and their official responses were provided to agencies. Public coordination upcoming





# COLLIER COUNTY CSRM FEASIBILITY STUDY: PRESENT TO FUTURE



Event	Date
Time and Funding Exemption Request Approved for Additional Three Years and \$2.97M; <b>Study Reinitiated</b>	2 August 2022
Board of Commissioners Briefing	24 January 2023
<b>Plan Formulation Charrette, Virtual Public Meeting, and In-Person Public NEPA Scoping Meeting</b>	<b>TBD – April 2023</b>
Tentatively Selected Plan Milestone	October 2023
Draft Integrated Feasibility Report and Environmental Impact Statement Public Release (45-day comment period)	December 2023
Agency Decision Milestone	April 2024
Final Integrated Feasibility Report and Environmental Impact Statement Public Release (30-day comment period)	February 2025
<b>Signed Chief's Report – Feasibility Study Completed</b>	<b>2 August 2025</b>



# COORDINATION EFFORTS

## Public Engagement

- Weekly coordination meetings with Collier County for general project updates and discussion
- Briefings to City of Naples on January 30 and City of Marco Island on February 6 to reestablish coordination and provide opportunity for Cities to provide feedback/comments and engage in more direct discussion with USACE team. Additional briefings for other cities/town councils/community stakeholders may be scheduled
- Environmental interagency meetings on regular basis
  - Draft report comments and formal responses were provided back to agencies
  - Targeted environmental sub-team meetings will occur to address environmental compliance
- Virtual Public Meeting anticipated in April 2023
- In-person Plan Formulation Charrette and Public NEPA Scoping Meeting anticipated in April 2023
- Interactive story map web tool will be developed

## Coordination with Other USACE Studies/Projects

- Miami-Dade CSRMS Study (Beach) and Miami-Dade Back-Bay CSRMS Study
- Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER) Project
- Central & South Florida (C&SF) Flood Resiliency Study



# PUBLIC COMMENT OPTIONS



**Email:** [Collier-CSRMA@usace.army.mil](mailto:Collier-CSRMA@usace.army.mil)

**Project Website and Documents:**

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

**Written Comments:**

Environmental Analysis Section, Norfolk District  
803 Front Street  
Norfolk, Virginia 23510

**For any accessibility issues that prevent written comments, please call (757)201-7218.**