

St. Augustine, Florida Back Bay Coastal Storm Risk Management (CSRM) Feasibility Study

**USACE PLANNING TEAM PRESENTATION
SEPTEMBER 2023**

**PLEASE MUTE YOUR PHONE AND COMPUTER
TO AVOID BACKGROUND DISRUPTIONS.**

WE WILL START PROMPTLY AT 1:05

Presented by:

Jason Harrah, Senior Project Manager (Jacksonville District, USACE)

Marty Durkin, Planning Technical Lead (Jacksonville District, USACE)

Jessica Beach, Chief Resiliency Officer (City of St. Augustine)





AGENDA



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- Opening Remarks
- Study Overview
- Overall Study Schedule & Budget
- Initial Array of Alternatives Being Considered
- Schedule Updates (90-Day Window)
- Discipline Specific Study Updates
- Upcoming Public Engagements
- Sponsor Remarks
- Agency Questions/Comments
- Public Comments
- Closing Remarks



House Resolution 2646 (June 21, 2000): St. Johns County, Florida

Resolved by the Committee on Transportation and Infrastructure of the United States House of Representatives, That in accordance with Section 110 of the River and Harbor Act of 1962, the Secretary of the Army, acting through the Chief of Engineers, is **requested to survey the shores of St. Johns County, Florida**, with particular reference to the advisability of providing beach erosion control works in the area north of St. Augustine Inlet, the shoreline in the vicinity of Matanzas Inlet, and adjacent shorelines, as may be necessary in the interest of **hurricane protection, storm damage reduction, beach erosion control, and other related purposes**.

Non-Federal Sponsor: City of St. Augustine (COSA)

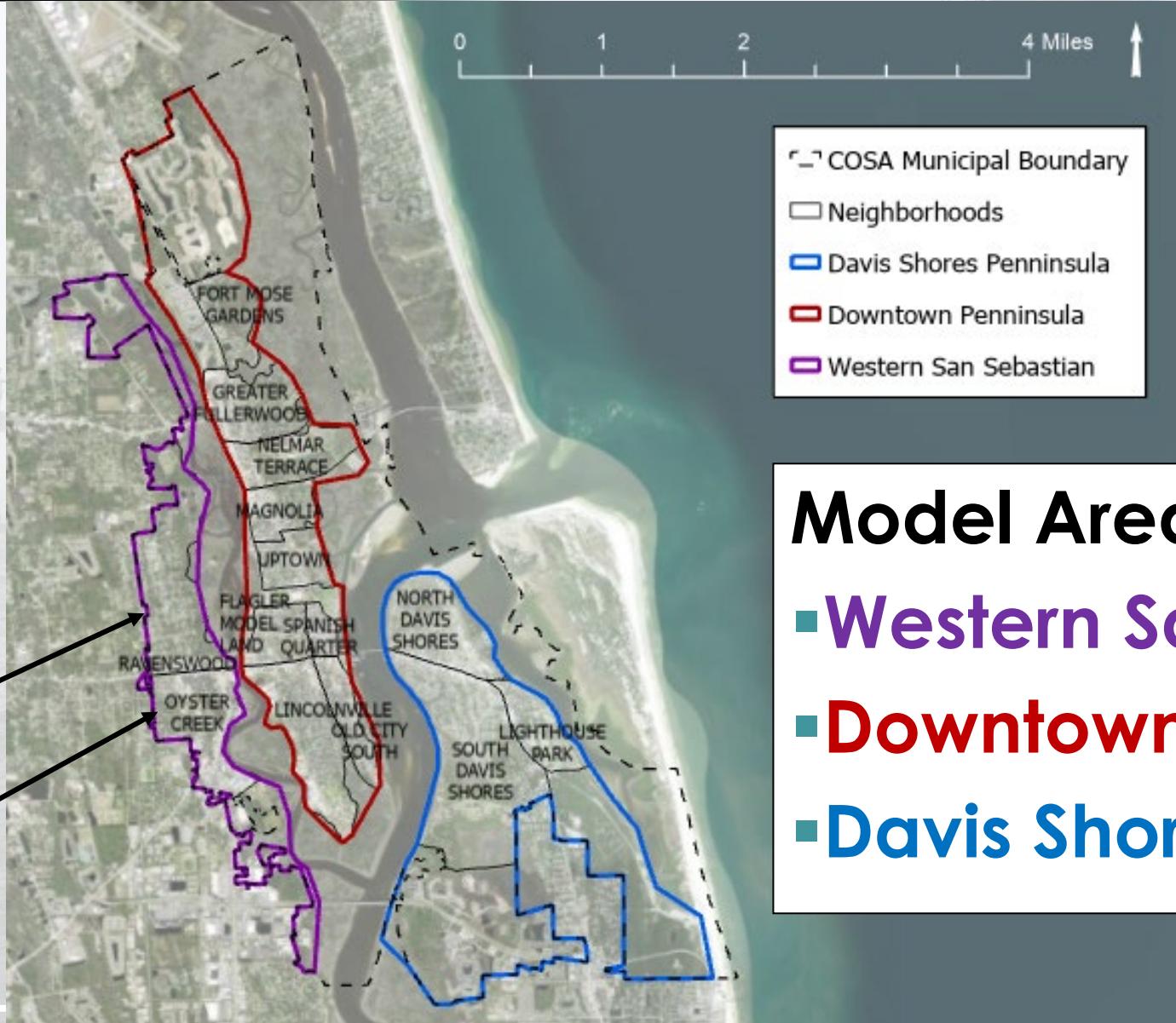
POC: Jessica Beach, P.E., Chief Resilience Officer, jbeach@citystaug.com

Study Area

- Entire COSA Municipal Boundary
- 17 Distinct Neighborhoods
- 3 Separate Land Masses
- Interconnected Water Bodies

Objectives to be achieved within the City of St. Augustine over a 50-year period of analysis from 2035-2085 are to...

1. Manage risk of coastal flood damages.
2. Manage risk to health and life-safety.
3. Manage risk to cultural and natural resources.
4. Manage flooding impacts to the local economy.



Model Areas

- **Western San Sebastian**
- **Downtown Peninsula**
- **Davis Shores Peninsula**

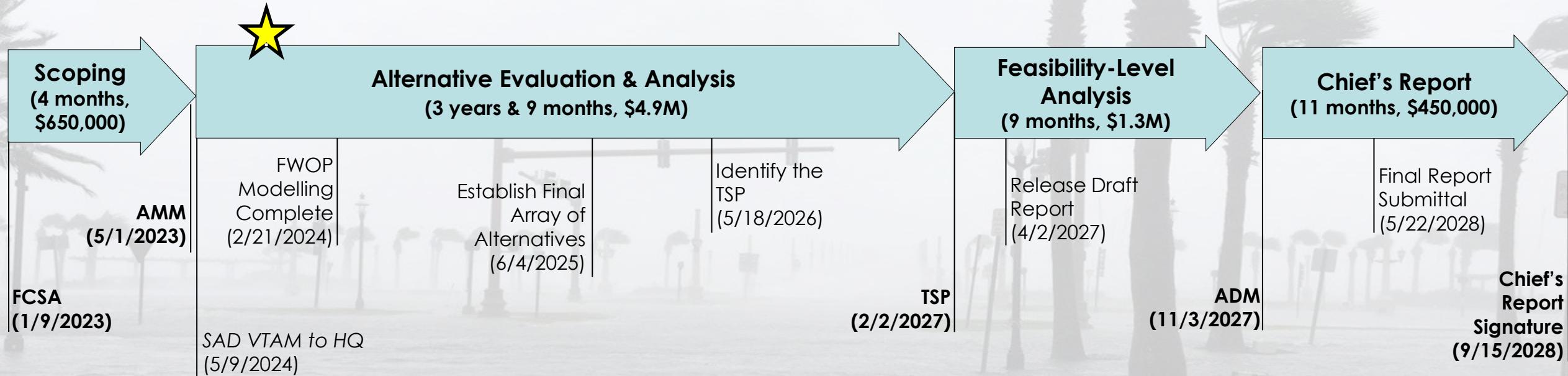


SCHEDULE & BUDGET ★ We Are Here



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Schedule & Budget Overview: 5 years & 9 months, \$7.3M



Key Components of the Study Scope:

- Entire City of St. Augustine (COSA)
- Compound Flooding
- Full Array of Alternatives & Comprehensive Benefits
- Environmental Impact Statement (EIS) Likely
- Robust Community Outreach

3x3 (WRDA 14 Section 1001) Exception Request:

- 2 years & 9 months (over the Section 1001 3-year limit)
- \$525,000 (over the Section 1001 \$3 million Federal limit which does not include IEPR)



INITIAL ALTERNATIVES



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Measure Function

Initial Array of Alternatives

Wall/Levee/Dune features stop flooding at the back bay shoreline.

Surge Barrier/Gate features stop flooding before it gets into the back bay waters.

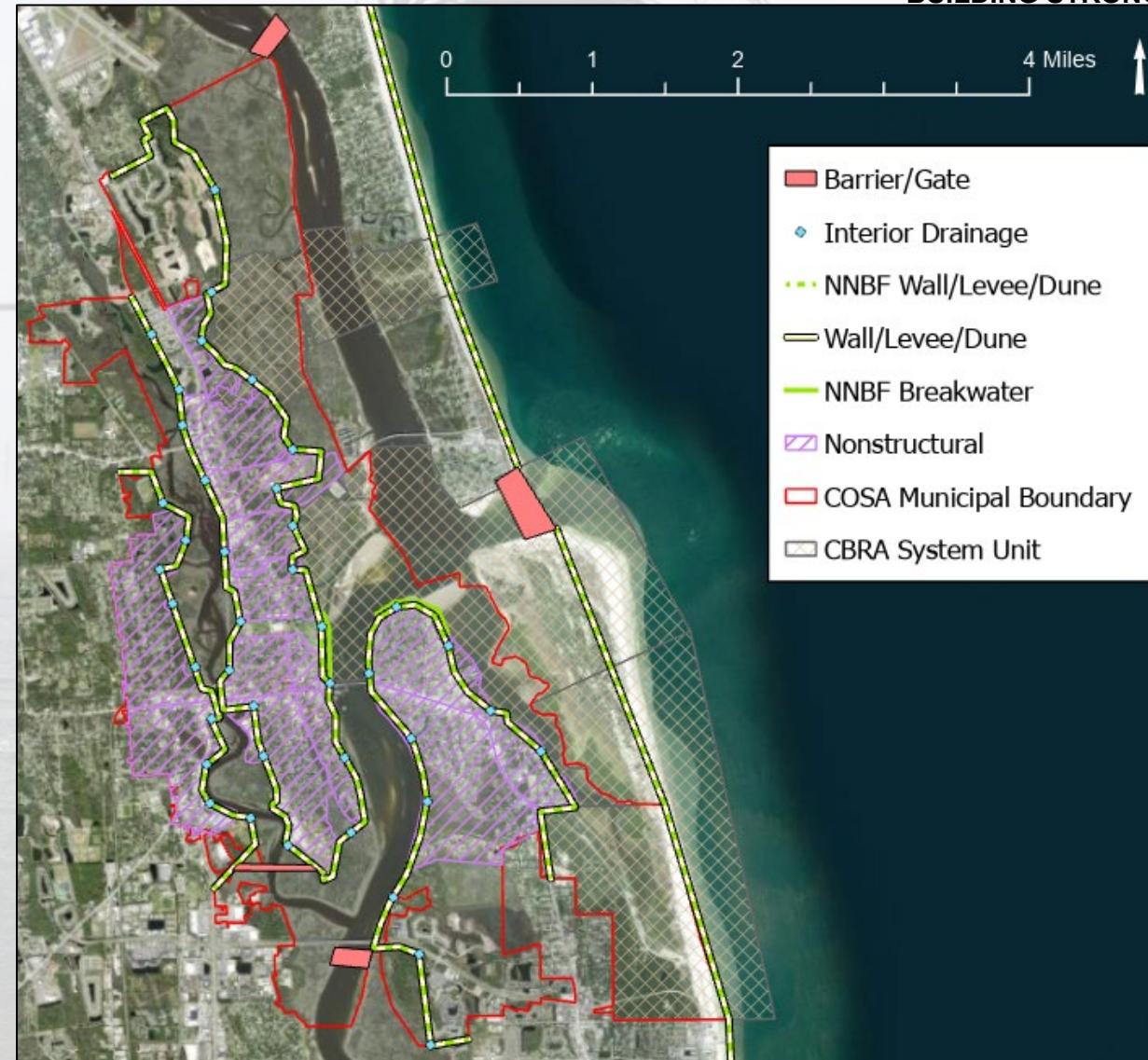
Interior Drainage features get flooding out of upland areas.

Nonstructural features reduce flood risk without directly effecting flooding processes.

Breakwaters/NNBFS can reduce wave energy before it gets to the back bay shoreline.

0. No Action

1. Wall/Levee with Interior Drainage Features & Breakwaters/NNBFS
2. Storm Surge Barrier at Inlet(s)/IWW with Wall/Levee/Dune tiebacks
3. San Sebastian River Flood Gate with Wall/Levee & Interior Drainage Features & Breakwaters/NNBFS
4. All Nonstructural
5. Wall/Levee with Interior Drainage Features & Breakwaters/NNBFS & Nonstructural
6. Storm Surge Barrier at Inlet(s)/IWW with Wall/Levee/Dune tiebacks & Nonstructural





Key Activities	Finish Date
FCSA Executed	1/9/2023
AMM Milestone Meeting	5/1/2023
Initial Flood Driver Screening (Scope Decision Point)	5/17/2023
End of FY23	9/30/2023
G2CRM FWOP Production Runs	2/21/2024
Establish Initial Array of Alternatives	8/21/2024
End of FY24	9/30/2024
G2CRM FWP Initial Alternatives Production Runs & Post Processing	5/15/2025
Establish Final Array of Alternatives (Scope Decision Point)	6/4/2025
G2CRM FWP Final Alternatives Production Runs & Post Processing	9/22/2025
End of FY25	9/30/2025
Identify National Economic Development (NED) Plan	12/22/2025
Identify Comprehensive Benefits Plan/Locally Preferred Plan (LPP)	3/17/2026
Identify the TSP	5/18/2026
End of FY26	9/30/2026
Exceptions/Waivers Approved by Assistant Secretary to the Army (ASA)	11/20/2026
TSP Milestone Meeting	2/2/2027
Release Draft Report for Concurrent Reviews	4/2/2027
End of FY27	9/30/2027
ADM Meeting	11/3/2027
Final Report Submittal Package to HQ	5/22/2028
Chief's Report Signature	9/15/2028

Complete

Ongoing



DISCIPLINE SPECIFIC UPDATES/ACTIONS



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- **Planning Technical Lead:** Marty Durkin
- **Engineering Technical Lead:** Patrick Snyder
- **Environmental Lead:** Darren Pecora
- **Economics Lead:** Vongmony Var
- **Cultural Resources Lead:** Zuzana Chovanec
- **Real Estate Lead:** Chris Bukolt
- **Office of Counsel:** Katie Gwin



UPCOMING PUBLIC ENGAGEMENT



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Dates	Events
October 4 th , 2023	Public Workshop (6:30 pm, 75 King Street- Alcazar Room)
October 19 th , 2023	Monthly Planning Webinar
November 16 th , 2023	Monthly Planning Webinar
December 21 st , 2023	Monthly Planning Webinar
January 18 th , 2024	Monthly Planning Webinar
February 15 th , 2024	Monthly Planning Webinar



PUBLIC OUTREACH



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U.S. Army Corps of Engineers, Jacksonville District

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Join USACE Jacksonville and the City of St. Augustine Thursday, Sept. 21, from 1-2:30 p.m. for the monthly St. Augustine Back Bay Study planning meeting. Join online at <https://usace1.webex.com/meet/jason.s.harrah> or dial in at 1-844-800-2712; enter access code 199 927 9909 when prompted. @CityStAug

St. Augustine, Florida, Back Bay CSRM Feasibility Study Monthly Planning Webinar Sept. 21, 2023, 1-2:30 p.m.

Presented by U.S. Army Corps of Engineers
and the City of St. Augustine

[Join online](#)

<https://usace1.webex.com/meet/jason.s.harrah>

[Call in](#)

Dial [1-844-800-2712](tel:18448002712)

Enter access code [199 927 9909](tel:1999279909)





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saj.usace.army.mil/Missions/Civil-Works/Shore-Protection/St-Johns-County/City-of-St-Augustine-Florida-Back-Bay-Feasibility-Study/

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St. Augustine Florida Back Bay Coastal Storm Risk Management Feasibility Study

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Presented by U.S. Army Corps of Engineers and the City of St. Augustine

[Join online](#)

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Call in

Dial 1-844-800-2712

Enter access code 199 927 9909









Public Invited to Observe St. Augustine Back Bay Study Project Delivery Team Discussions

U.S. Army Corps of Engineers, Jacksonville District, and the City of St. Augustine invite the public to observe its monthly planning meetings for the St. Augustine Back Bay CSRM Feasibility Study every third Thursday of the month from 1-2:30 p.m. **The next webinar will be held Sept. 21, 2023.** Find previous presentations and meeting notes in the links to your right. The open plan formulation and discussion is being conducted to ensure public visibility and awareness of the study team's deliberations and progress. The team will collect comments at the end of the session; however, they will not be able to respond to questions from participants. The public webinars will include project delivery team discussion, key updates to the planning process, discussion of key schedule milestones, open discussion with representatives of federal, state and local agencies engaged in the study, and other issues as they present themselves. Join the discussion via Webex at <https://usace1.webex.com/meet/jason.s.harrah>. Alternately, join by telephone to listen to the discussion. Dial 1-844-800-2712 and enter access code 199 614 3322 when prompted.

Monthly Planning Meeting Presentations and Minutes

[Meeting Presentation, August 2023](#)
[Meeting Minutes, August 2023](#)
[Meeting Presentation, July 2023](#)
[Meeting Minutes, July 2023](#)
[Meeting Presentation, June 2023](#)
[Meeting Minutes, June 2023](#)
[Meeting Presentation, May 2023](#)
[Meeting Minutes, May 2023](#)
[Meeting Presentation, April 2023](#)
[Meeting Minutes, April 2023](#)

Environmental Focus Group Monthly Meeting Notes

[Environmental Group Presentation, August 2023](#)
[Environmental Meeting Notes, August 2023](#)

News Releases

USACE Jacksonville hosts charrette, public scoping meeting for St. Augustine Back Bay Public Scoping Meeting in St. Augustine Jacksonville District signs Feasibility Cost Share Agreement for the St. Augustine, Back Bay Coastal ...

Helpful Links

[City of St. Augustine Resiliency Review Newsletter](#)
[St. Augustine Flood Resilience](#)
[City of St. Augustine](#)



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[Submit Public Comment](#)

US Army Corps of Engineers Jacksonville
District: St. Augustine Florida Back Bay
Feasibility Study

Scoping Meeting and Comment Period
Notice Letter for USACE St. Augustine
Back Bay Coastal Storm Risk Management
(CSRM) Feasibility Study (PDF)



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Back Bay Feasibility Study with the Army Corps of Engineers

The objectives of the study include (1) reduce flooding caused by coastal storms, extreme high tides, and future projected sea level rise in the study area; (2) explore opportunities to increase community resiliency from future coastal storms. Issues that are anticipated include concern for aesthetics, cultural resources, recreation, socioeconomics, environmental justice, wetlands, fish and wildlife resources, threatened and endangered species, and water quality. CSRM measures to be evaluated may include a combination of structural (i.e., tidal gates, seawalls, revetments, levees, drainage improvements, building elevation, etc.), non-structural (i.e., relocation, buyouts, etc.), and natural and nature-based features (i.e., living shorelines, vegetated features, oyster reefs, and maritime forests). Public Comments will be accepted throughout the life of the study.

Back Bay Signing Ceremony January 9th, 2023



[Submit Public Comment](#)



Email: BackBay@citystaug.com



US Army Corps
of Engineers ®
Jacksonville District

[Jacksonville District Website](#)

[Monthly Project Delivery Team \(PDT\) Meetings](#)



Social Media

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<https://www.facebook.com/citystaug>
<https://twitter.com/citystaug>



CLOSING REMARKS/QUESTIONS



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- **Sponsor Remarks**
- **Federal Agency Questions/Comments**
- **State Agency Questions/Comments**
- **Local Agency Questions/Comments**
- **Public Comments**

Presentations and notes from past month's webinars at
<https://www.saj.usace.army.mil/Missions/Civil-Works/Shore-Protection/St-Johns-County/City-of-St-Augustine-Florida-Back-Bay-Feasibility-Study/>