



CITY OF ST. AUGUSTINE FLOOD RESILIENCE

The City has many resilience efforts underway to help with flood mitigation and adaption. This edition includes defining what those terms mean, a brief history of why we flood, and what we are doing about it, and what homeowners can do to protect their own property.

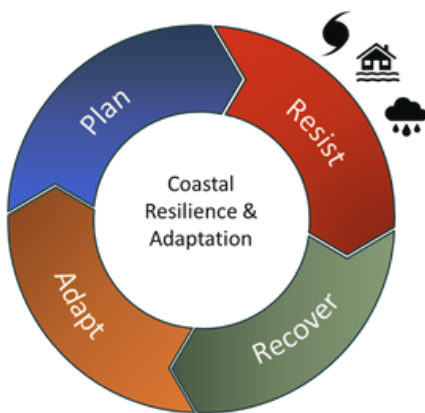
WHAT IS RESILIENCY?

Resiliency is the ability of a natural or built system to recover from an extreme load or event.

Adaption is an adjustment in response to changes in the factors that impact the functionality of a natural or built system.

Back Bay Feasibility Study with the Army Corps of Engineers

**In Person Flooding Public Meeting
Wednesday, April 24, 2024 at 6:00PM
Willie Galimore Center
399 Riberia St, St. Augustine, FL 32084**



The Army Corps of Engineers will be on site at the Galimore Center to discuss the ongoing Back Bay Study, what the engineering modeling projections mean for the City, what are the future economic impacts for the City, and what future adaptation measures the Corps are considering for the City.

Come to the public meeting and share your opinions on what the City and Army Corps should be considering when it comes to flood mitigation.

Visit www.CityStAug.com/BackBay for more information.

Monthly Project Delivery Team (PDT) Progress Meetings are virtual

All meetings begin at 1:00PM

Virtual Meeting Room Phone

Number:

844-800-2712

Access Code: 199 927 9909

Upcoming Virtual Meetings:

Thursday, March 21, 2024

Thursday, April 18, 2024

Thursday, May 16, 2024

Thursday, June 20, 2024

Thursday, July 18, 2024

Thursday, August 15, 2024

Thursday, September 19, 2024

Thursday, October 17, 2024

Thursday, November 21, 2024

Thursday, December 19, 2024

What else is the City doing for the flooding?

There are currently over \$40M worth of projects dedicated to resilience and flood mitigation within the City of St. Augustine

PROJECTS

PLANNING/STUDIES

- City-Wide Vulnerability Assessment for Critical Assets & Adaptation Plan
- Back Bay Feasibility Study
- Fullerwood Neighborhood Drainage Study

Proposed Resilient Shoreline Ordinance For hybrid living shoreline with hardened bulkheads

POLICY

PROGRAMS

Flood Mitigation Assistance (FMA) Program
Annual FEMA Grant
Application for Home Elevation



Resiliency Review

March 2024

CITY OF ST. AUGUSTINE FLOOD RESILIENCE

Why does the City of St. Augustine flood?



Granada Street Flooded, 1944
Courtesy of the St. Augustine
Historical Society Library

**Flooding is not new to the City.
However, the frequency is on the rise.**

Current City Challenges (stormwater):

- Aging infrastructure
- Undersized collection system
- Low-lying and coastal location (90% of the City is within a flood zone)
- Highly developed (high impervious area & unable to drain)
- Subject to flooding – both from rainfall and tidal/coastal influence (compound flooding)

Stormwater Infrastructure:

- 109 City Outfalls – many are tidally influenced
- 49 one-way tide check valves exist city-wide
- 13 Vaults to collect sediment before reaching a water body
- 1,155 Storm Inlets to collect rainwater
- 116,760 feet (22 miles of pipe)
- 12 maintenance zones
- Daily service requests

Different Types of Flooding Require Different Solutions

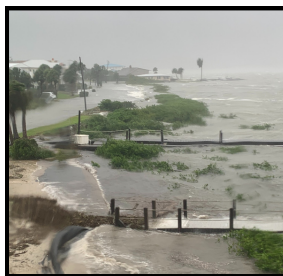
King Tides



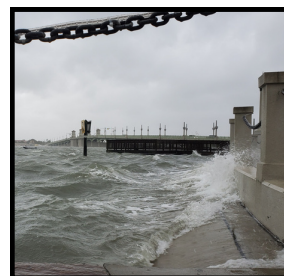
Rainfall



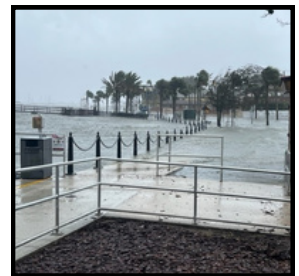
Coastal



Nor'Easter



Hurricane



What can you do to protect your property?

- Keep up with annual maintenance
- Track the weather and tides
- Sign up for weather alerts

PLAN

ADAPT

- Relocate critical systems & equipment (raise AC Units)
- Install Barriers/Shields on doors & windows (door dams)

RESIST

RECOVER

- Plant Native Vegetation & Salt Tolerant Landscaping
- Reduce paved surfaces
- Home Elevation

- Replace flooded walls & baseboards with PVC
- Install sump pump system to pump out water from property