



Resiliency Planning: Flagler County-wide Approach

Flagler County-wide Approach to Resilience

- Context: Coastal High Hazard Area
- 2011 Adaption Action Area: optional Comprehensive Plan designation
- 2015 Peril of Flood: requires coastal jurisdictions to address future flood risk from storm surge and sea level rise in Comprehensive Plans
- 2018 Resilient Flagler County Study (focus on coastal critical facilities)
- 2019 City of Flagler Beach made CHHA an Adaptation Action Area
 - Focus on public awareness of the link between emergency preparedness and adaptation
- 2020 FDEP Resilient Coastlines Program grant funded a County-wide approach to resilience
- 2021 FDEP Resilient Florida Project Proposal- Vulnerability Assessment

Coastal High Hazard Area

- The Coastal High Hazard Area is an area particularly vulnerable to the effects of coastal flooding from tropical storm events and is defined by section 163.3178(2)(h)9, Florida Statutes, as the area below the elevation of the category 1 storm surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model.
- Section 163.3177(6)6., Florida Statutes, requires that local governments limit public expenditures that subsidize development in Coastal High Hazard Areas.

2011- Adaptation Action Area

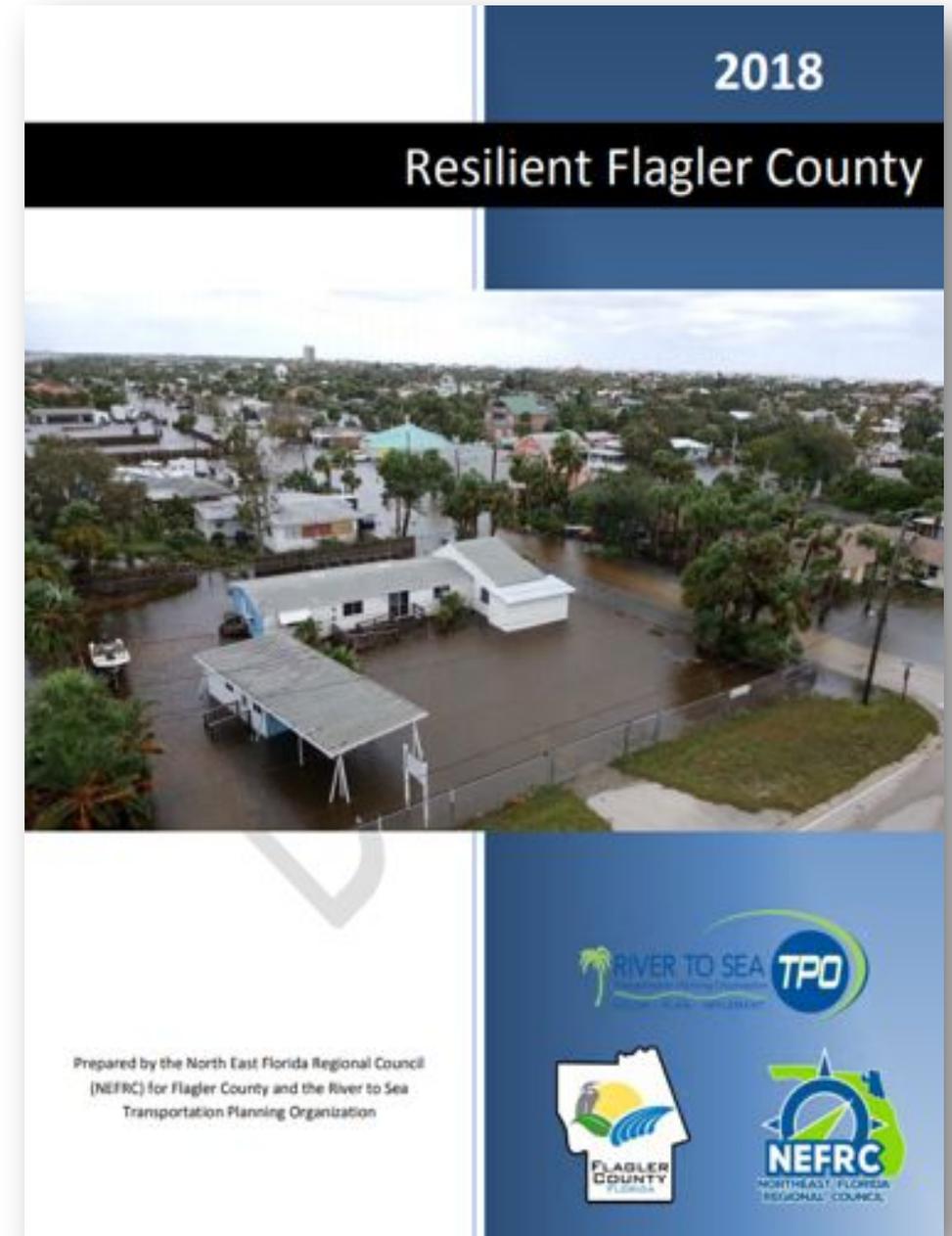
- "Adaptation action area" or "Adaptation Area" is an optional comprehensive plan designation for areas that experience coastal flooding and are vulnerable to the related impacts of rising sea levels for the purpose of prioritizing funding for infrastructure needs and adaptation planning.
- Local governments that adopt an Adaptation Action Area may consider policies within the coastal management element to improve resilience to coastal flooding.

2015- Peril of Flood Statute

- On May 21, 2015, Governor Rick Scott signed into law Florida Senate Bill 1094, “An Act relating to the peril of flood.”
- SB 1094 requires consideration of future flood risk from storm surge and sea level rise in certain portions of local government comprehensive plans. In accordance with SB 1094, Florida Statute section 163.3178(2)(f)1 now includes sea-level rise as one of the causes of flood risk that must be addressed in the “redevelopment principles, strategies, and engineering solutions” to reduce flood risk.
- F.S. 163.3178(2)(f) specifies components that must be contained in the coastal management element required for a local government comprehensive plan. Each must contain a coastal redevelopment component that addresses how to eliminate inappropriate and unsafe development in the coastal areas when opportunities arise.
- Only jurisdictions that have a coastal management element are required to address ‘Peril of Flood’ statutory requirements with legislative reference

Resources

- Resilient Flagler County 2018 Report
- NEFRC Resilience Program Resources
- External Northeast Florida Case Studies
- Flagler Beach Comprehensive Plan Policies
- Northeast Florida Exposure Tool – coming to ResilientFirstCoast.com
- Regional Survey on Resilience





Layers



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Layers



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Map Help

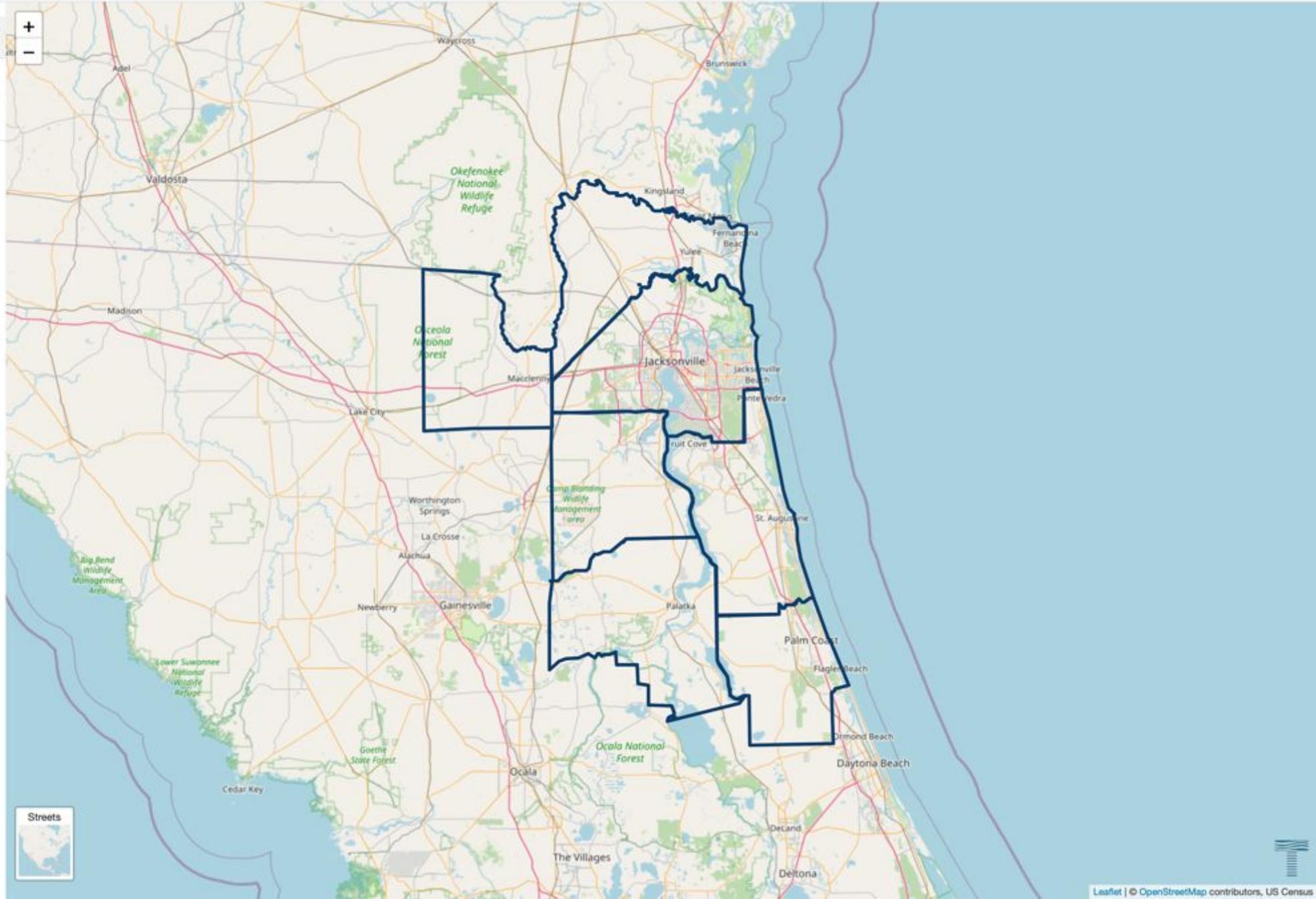


Important Data Layers

- Critical Facilities
- Historical Resources
- Population Density
- Low Income Population
- Minority Population
- Over Age 64 Population
- Wildlife Index

Coastal Flooding Layers

- None
- Flood Hazard Zones
- Storm Surge for Evacuation Planning
- Depth of Flood
 - 1% Annual Chance (100 Year)
 - Change Scenario ▼
- Sea Level Rise
 - Change Water Level ▼ 1 ft



Flagler Beach CHHA/AAA Model

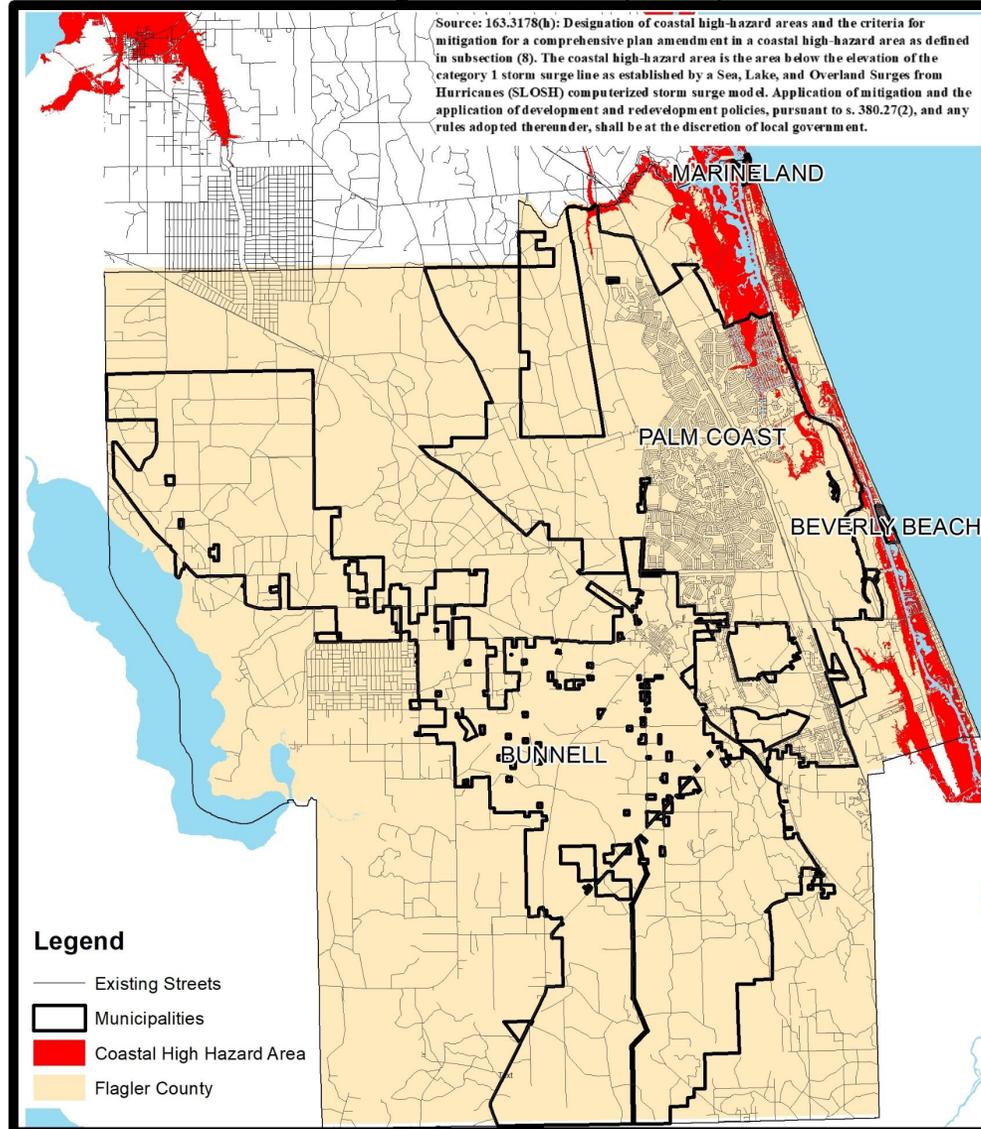
- “The City shall recognize the CHHA as an Adaptation Action Area (AAA) for those low-lying coastal zones that may experience coastal flooding due to extreme high tides and storm surge and are vulnerable to the impacts of rising sea level. (§163.3177(6)(g)(10), F.S.) .”
- Coastal High Hazard Area (CHHA) is defined as the area below the elevation of the Category 1 Storm Surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model.
- The purpose of the AAA is to focus public awareness on the link between emergency preparedness and adaptation.

FDEP Resilient Coastlines, Resilient Florida

- Resilient Coastlines: Flagler County and the municipalities of Beverly Beach, Bunnell, Flagler Beach, Palm Coast and Marineland will: (1) pursue County-wide compliance with the “Peril of Flood” statute; (2) examine flood risk in non-coastal municipalities not required to amend their comprehensive plans to address “Peril of Flood”; and (3) consider designation of a County-wide Adaptation Action Area (AAA).
- Public engagement and governmental coordination informed this process so that the approach taken by each jurisdiction works for the community
- Resilient Florida FY 21-22 Water Protection Funds Proposal: County Vulnerability Assessment

Flagler County Coastal High Hazard Area (CHHA)

Source: 163.3178(h): Designation of coastal high-hazard areas and the criteria for mitigation for a comprehensive plan amendment in a coastal high-hazard area as defined in subsection (8). The coastal high-hazard area is the area below the elevation of the category 1 storm surge line as established by a Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computerized storm surge model. Application of mitigation and the application of development and redevelopment policies, pursuant to s. 380.27(2), and any rules adopted thereunder, shall be at the discretion of local government.



Legend

- Existing Streets
- Municipalities
- Coastal High Hazard Area
- Flagler County

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Feet

Prepared By: The Northeast Florida Regional Council
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Thank You!



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