

COASTAL ASSESSMENT RESILIENCY PLAN

Presented By: Samantha Klein and Kimberly Shaw



CARP Project Components



- NYS Department of State Grant
- CARP Committee
 - Francis Bock; East Hampton Town Trustees
 - Alison Branco; The Nature Conservancy
 - Rameshwar Das; Waterfront Advisory Committee
 - Norm Edwards; East Hampton Town Resident
 - Kathleen Fallon; New York Sea Grant
 - Brian Frank; Chief Environmental Analyst; Planning Department
 - Courtney Garneau; The Surfrider Foundation
 - Samantha Klein; East Hampton Town Environmental Analyst
 - David Lys; East Hampton Town Board
 - Paul Monte; Montauk Chamber of Commerce
 - Peter Van Scoyoc; East Hampton Town Supervisor
 - Kim Shaw; East Hampton Environmental Protection Director
 - Laura Tooman; Concerned Citizens of Montauk
 - Scott Wilson; Director of Land Acquisition and Management; Town of East Hampton



ASSESSMENT of COASTAL RISKS for FOCUS AREAS



- Focus Areas

- Downtown Montauk
- Montauk Harbor/Culloden
- Ditch Plains
- Fort Pond/Industrial Road
- Gerard Drive
- Louse Point
- Cranberry Hole Road
- Lazy Point
- Wainscott
- EH Village

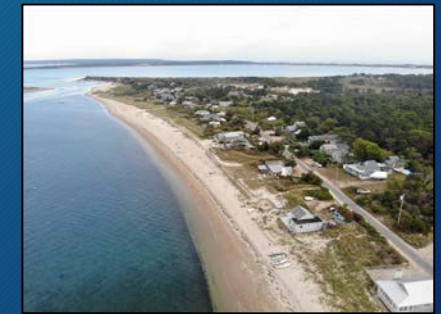
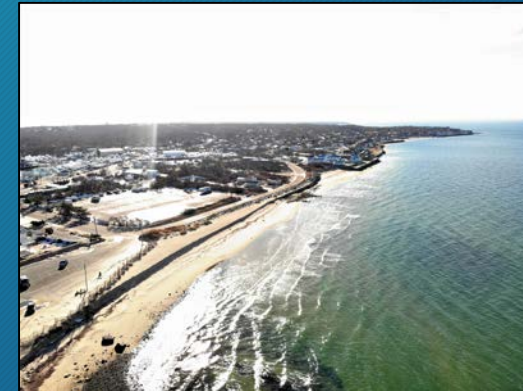
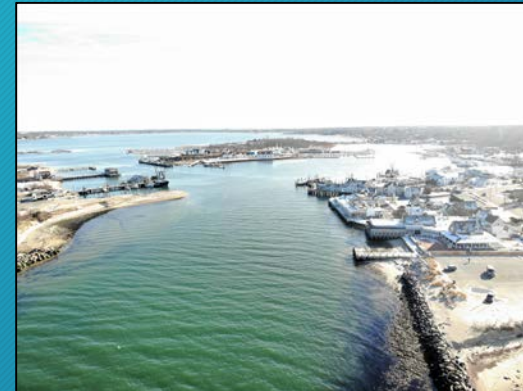


Table 4: Focus Area Risk

Note: X - indicates coastal hazard of concern; **X** indicates that coastal hazard is the primary risk for the focus area.

Focus Area	Residential	Commercial	Public Space	Shoreline Erosion	Flood Damage	Area Access	Parcels	Total Parcel Value	Building AAL
Montauk Hamlet:									
Downtown Montauk	X	X	X	X	X	X			\$111
Ditch Plains	X			X	X		321		\$570K
Fort Pond	X	X			X	X	239		\$326K
Soundview Drive and Culloden Point	X		X	X			527	\$520M	–
The Docks		X			X				\$536
Napeague Hamlet:									
Cranberry Hole Road	X	X		X	X	X	70	\$125.5M	\$46K
Lazy Point	X		X	X	X	X	170	\$149M	\$457K
Springs Hamlet:									
Girard Drive	X		X	X	X	X	72	\$43M	\$86K
Louse Point	X		X	X	X		162	\$81M	\$66K
Wainscott Hamlet:									
Wainscott	X			X	X				\$229

Recommendations: Policy and Code Changes



- Building Regulations Revision
 - Inclusion of DFE that incorporates SLR
- Creation of Managed Retreat Overlay Zone
 - Relocation and Property Acquisition
- Shoreline Setback Review, Regulation, and Restoration
 - Inclusion of DFE that incorporates SLR
- Public Outreach Program

Recommendations: Physical Projects



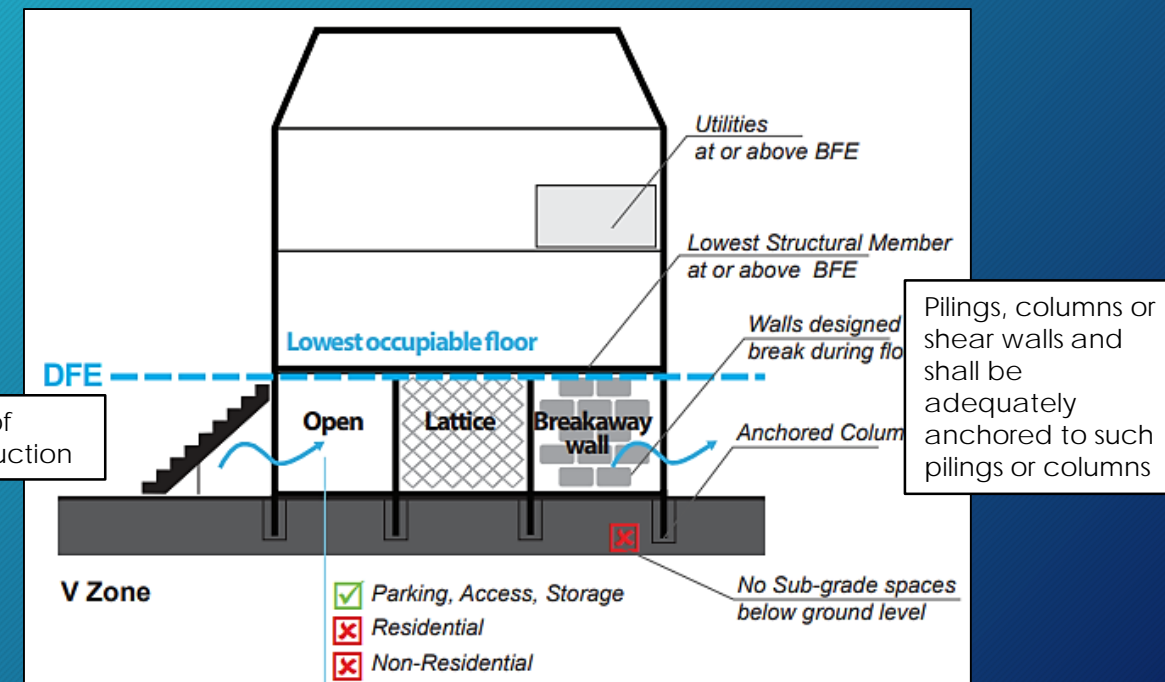
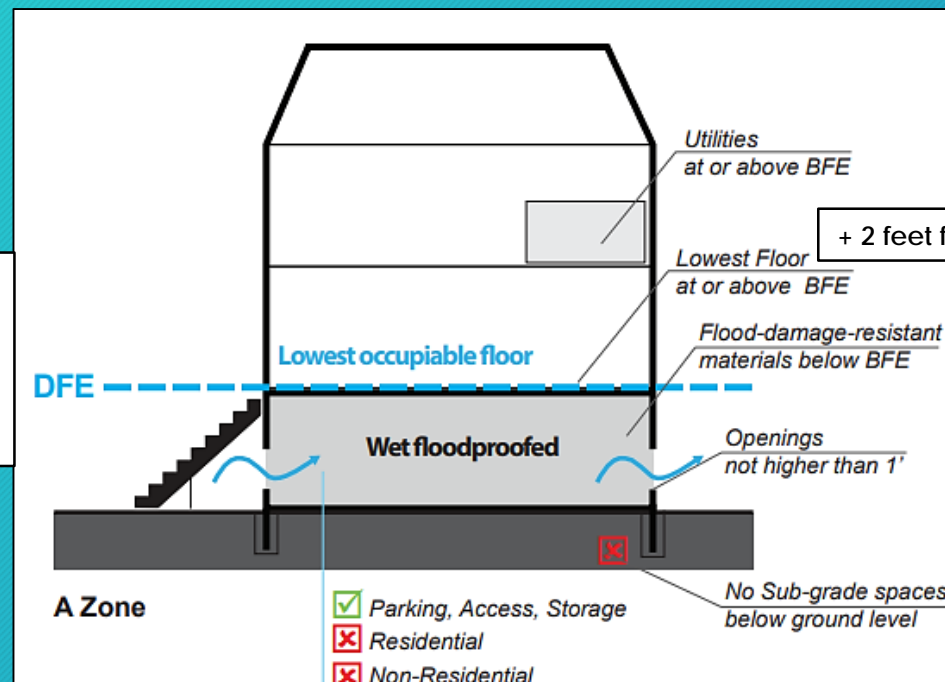
- Roadway Flood Protection
 - Public Works projects
 - Emergency Response Planning
- Natural and Nature Based Features
 - Living shorelines for pond, lake, and harbor stabilization
- Beach Nourishment
 - Short-term measure
- Erosion Control Districts
 - Comprehensive beach, dune, bluff maintenance and enhancement
- Incorporate Green Infrastructure in Public Works projects
 - Manage stormwater and mitigate flooding



Recommendation: Building and Regulatory Changes



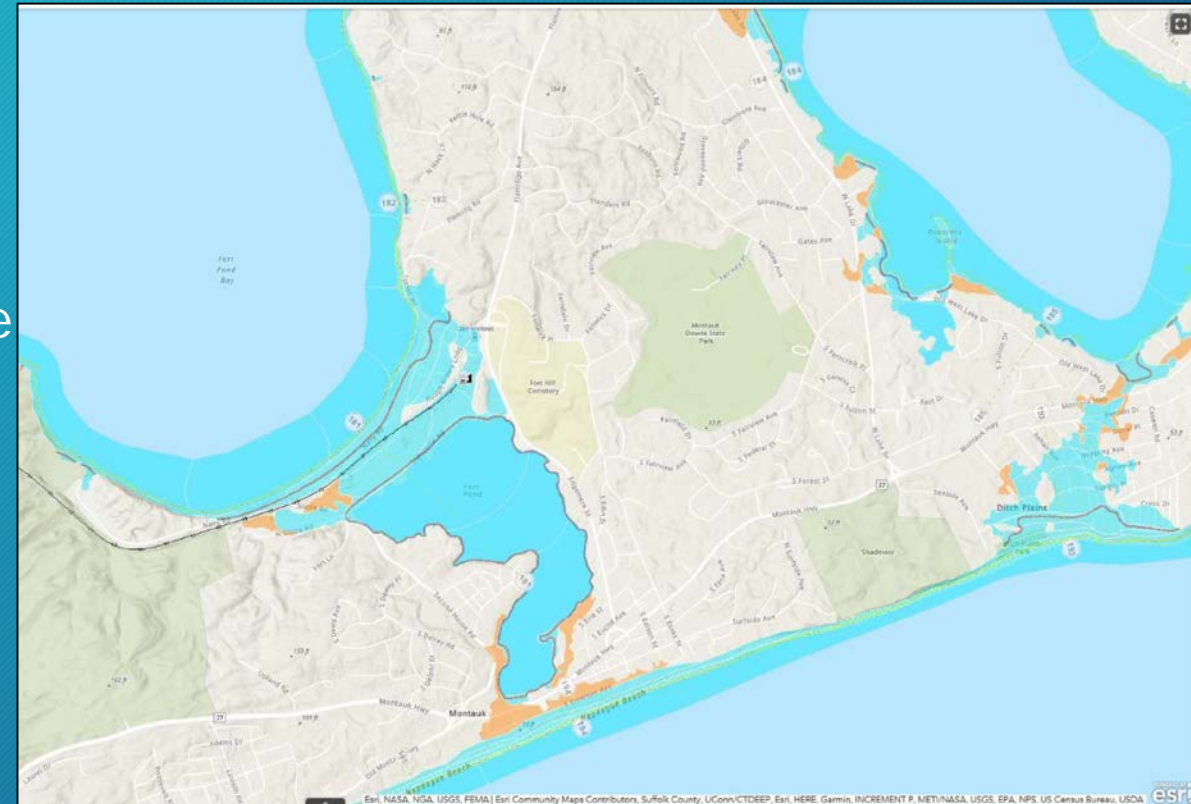
- Increase Design Flood Elevations to incorporate sea level rise into freeboard requirements
- Increase Regulatory Thresholds as basis for initiating regulations



Recommendations: Emergency Planning and Roadway Protection



- Review and Modify emergency response plans to reach residents on flooded streets
 - Emergency Notification System to residents, Essential Services flood response equipment and training
- Identify roads where flood mitigation is not feasible
 - Define Town's responsibility to maintain these roads



Recommendations: Emergency Planning and Roadway Flood Protection



- Form a Roadway Resilience Task Force
 - Work with the Town, County, and State on addressing flood risks
- Reduce Flood Risk through Public Works projects
 - Elevating roadways
 - Green Infrastructure

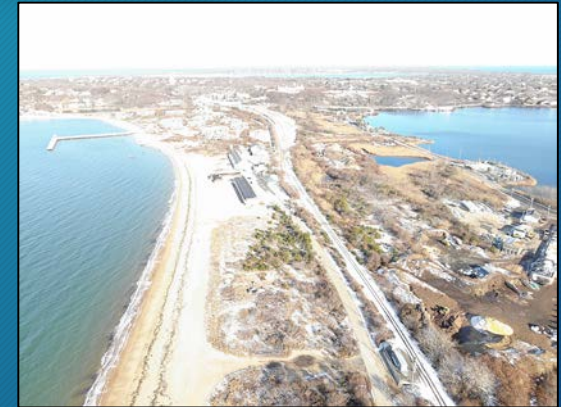


Figure 6-17: +/-100-year recurrence interval flood (approximately Elevation 11 feet NAVD88 stillwater) at Napeague

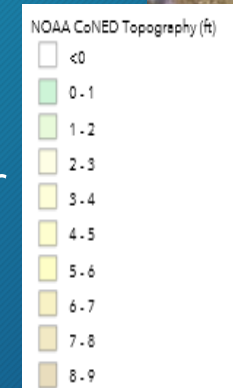
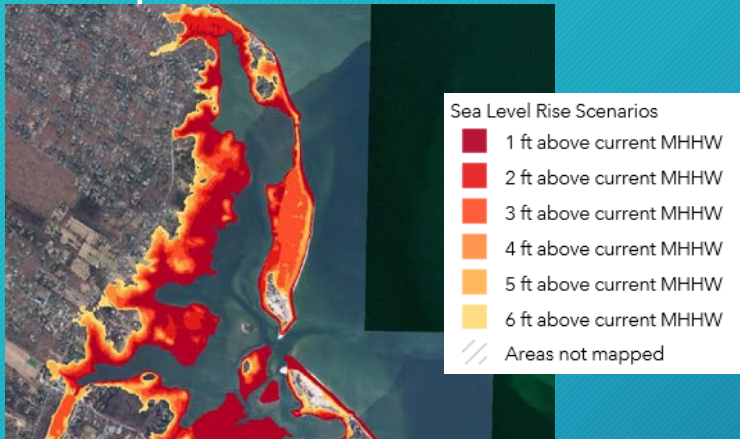


Figure 6-24: Long Island Railroad Train Station relative to FEMA Flood Hazard Zones AE Elevation 5 feet NAVD88

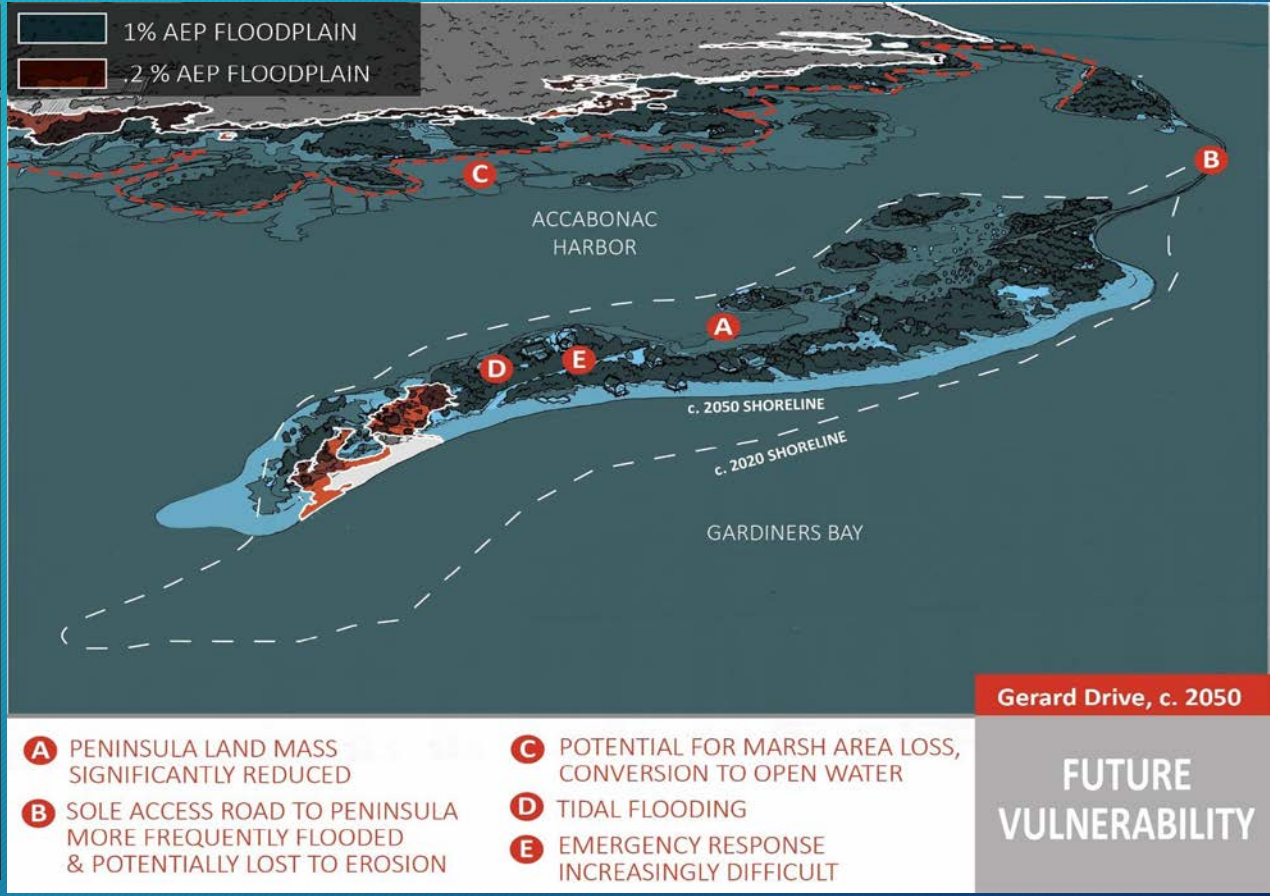
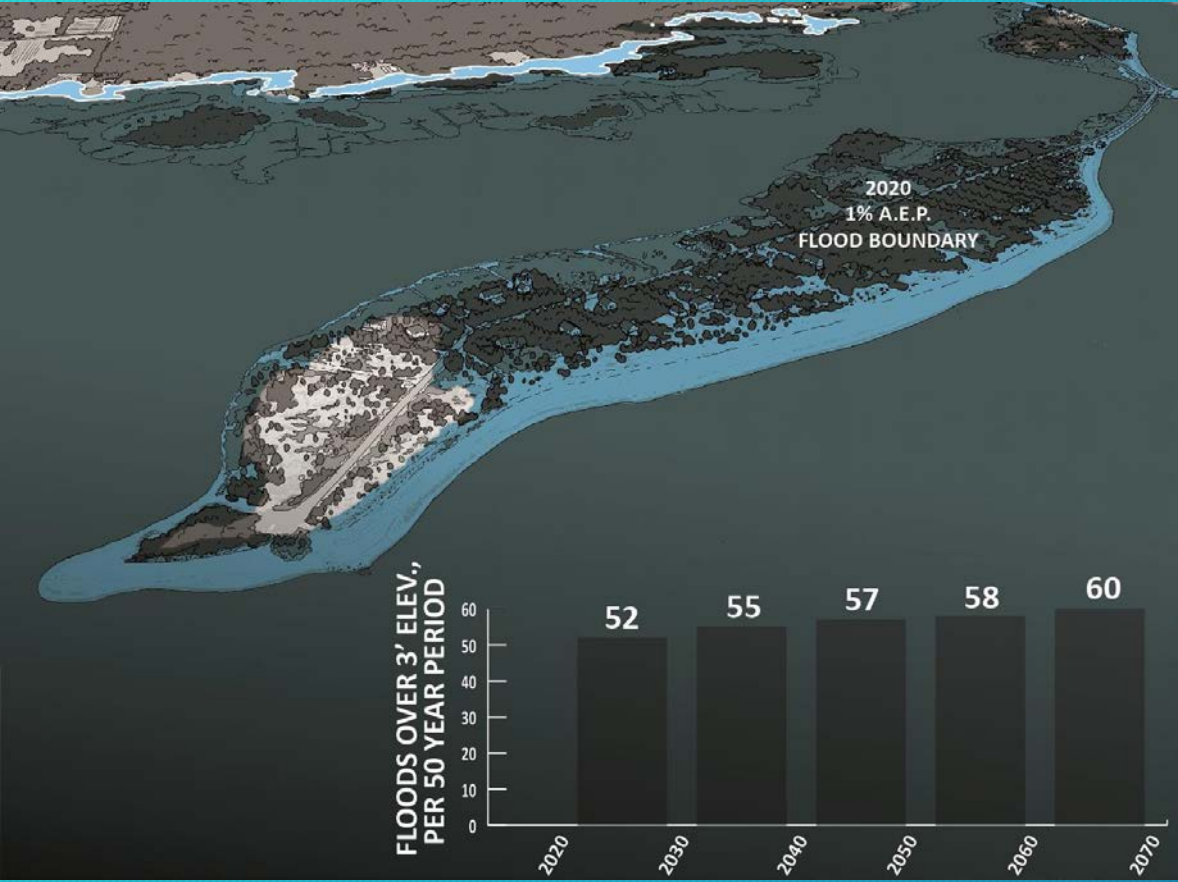
Recommendation: Managed Retreat Overlay Zones



- Factors that determine forming a Managed Retreat Overlay Zone:
 - Inherent flood risk, topography, current and future flood frequency, shoreline recession rate
 - Site not Accessible due to roadway flooding
 - Expected frequent emergency evacuation orders due to flooding
 - Proximity to open space, nature preserve, conservation land
 - Requirement for off-site waste disposal due to high groundwater



Gerard Drive



Resilience and Adaptation Goals



- Comprehensively and consistently manage shorelines and mitigate shoreline erosion
- Create a resilient transportation system
- Preserve and enhance the Town's natural resources
- Reduce property damage and loss due to coastal flood events and shoreline erosion
- Develop achievable funding mechanisms for coastal resilience and adaptation measures

More Information on CARP

