



9.19 Village of Asharoken

This section presents the jurisdictional annex for the Village of Asharoken. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the Village participated in the planning process; an assessment of the Village of Asharoken’s risk and vulnerability; the different capabilities utilized in the Village; and an action plan that will be implemented to achieve a more resilient community.

9.19.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Village of Asharoken’s hazard mitigation plan primary and alternate points of contact.

Table 9.19-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Nancy Rittenhouse, Village Clerk Address: Village Hall, 1 Asharoken Avenue, Asharoken, NY 11768 Phone Number: 631-261-7098 Email: nrittenhouse@asharokenny.org	Name/Title: Pam Pierce, Trustee Address: Village Hall, 1 Asharoken Avenue, Asharoken, NY 11768 Phone Number: 631-261-7098 Email: PPierce@asharokenny.org
NFIP Floodplain Administrator	
Name/Title: Doug Adil, Building Inspector Address: Village Hall, 1 Asharoken Avenue, Asharoken, NY 11768 Phone Number: 631-935-5501 Email: dadil@asharokenny.org	

9.19.2 Municipal Profile

The Village was incorporated in 1925 and currently there are 323 houses and having a population of approximately 650. The Village took its name from Chief Asharoken who sold the land to the early English settlers of the Town of Huntington in 1653.

The Incorporated Village of Asharoken is located within the town of Huntington in the northwest section of Suffolk County bordering LI Sound on the north and east, Huntington Bay on the west, and Northport Bay on the south. Surrounding communities are; Village of Northport, Town of Huntington and Town of Smithtown.

The Incorporated Village of Asharoken is governed by a Mayor and four (4) Trustees. This body will be responsible for the adopting resolution, implementation and update of the All-Hazards Mitigation Plan.

According to the U.S. Census, the 2010 population for the Village of Asharoken was 654 The estimated 2017 population was 443, a 32.3 percent decrease from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 3.0 percent of the population is 5 years of age or younger and 28.0 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.19.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern.





Table 9.19-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. The figures at the end of this annex illustrate the geographically-delineated hazard areas and the location of potential new development, where available. The recent and anticipated development depicted on these figures excludes the Suffolk County wastewater upgrades; refer to Section 4 (County Profile) for additional information on this development.

Table 9.19-2. Recent and Expected Future Development

Type of Development	2014		2015		2016		2017		2018		2019	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)												
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	1	N/A	1	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Multi-Family	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Other (commercial, mixed-use, etc.)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Total Permits Issued	1	N/A	1	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development				
Recent Major Development and Infrastructure from 2015 to Present												
Duck Island & Asharoken Ave.	Residential	2		283 & 279 Asharoken Ave		1% and 2% Flood Zone, SLOSH categories 1-4, NEHRP Class D, Landslide high susceptibility, High coastal risk hazard area, Coastal erosion hazard area		Subdivided parcel creating new buildable lot and conforming lot				
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years												
Village of Asharoken	Residential	3		285 Asharoken Avenue		1% and 2% Flood Zone, SLOSH categories 1-4, High coastal risk hazard area		Two homes will be built 2020 and anticipating 1 new home in the near future.				

SFHA Special Flood Hazard Area (1% flood event)

* Only location-specific hazard zones or vulnerabilities identified.

9.19.4 Capability Assessment

The Village of Asharoken performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (Capability Assessment) describes





the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community’s adaptive capacity for the impacts of climate change.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized in Capability Assessment (Section 9.19.4). The Village of Asharoken identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy. Appendix G provides the results of the planning/policy document review and the answers to integration survey questions.

Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Asharoken and where hazard mitigation has been integrated.

Table 9.19-3. Planning, Legal, and Regulatory Capability

	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						Yes	If no - can it be a mitigation action?
Codes, Ordinances, & Requirements							
Building Code	Yes	NYS Building Code 1967 – Building Construction Administration – Chapter 42	Local/State	Superintendent of Buildings	Yes	Yes	-
Comment: Adopted NYS Building Code in 1967, amended 6/4/90 under Chapter 42, The Board of Trustees, through and in conjunction with the Building Department, shall have all of the powers set forth in Article 18 of the Executive Law relating to the administration and enforcement of the State Uniform Fire Prevention and Building Code, as well as those hereinafter set forth.							
Zoning Code	Yes	Chapter 125 (1/03/1942)	Local and County	Board of Zoning Appeals	No	Yes	-
Comment: The purpose of this chapter shall be to regulate and restrict the height, number of stories and size of buildings and other structures, the percentage of lot that may be occupied, the size of yards, courts and other open spaces, the density of population and the location and use of buildings, structures and land for trade, industry, residence or other purposes; and to divide the Village into districts of such number, shape and area as may be deemed best suited to carry out the purposes of Article 7 of the Village Law; and within such districts to regulate and restrict the erection, construction, reconstruction, alteration, repair or use of building structures or land throughout each district, all in accordance with a Comprehensive Plan and designed to lessen congestion in the street; to secure safety from fire, panic and other dangers; to promote health and the general welfare; to provide adequate light and air; to prevent the overcrowding of land; to avoid undue concentration of population; and to facilitate the adequate provision of transportation, water, sewage, schools, parks and other public requirements; all to be made with reasonable consideration, among other things, as to the character of the district and its peculiar suitability for particular uses and with a view to conserving the value of buildings and encouraging the most appropriate use of land throughout the Village.							
Subdivisions	Yes	Chapter 107 (12/2/1968)	Local and County	Planning Board	No	Yes	-
Comment: It is declared to be the policy of the Asharoken Planning Board to consider land subdivision plats as part of a plan for the orderly, efficient and economical development of the Village. This means, among other things, that: <ul style="list-style-type: none"> • Land to be subdivided shall be of such character that it can be used safely for building purposes without danger to health or peril from fire, flood or other menace; 							



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action?	
<ul style="list-style-type: none"> • Proper provision shall be made for drainage, water supply, sewerage and other needed improvements; • All proposed lots shall be so laid out and of such size as to be in harmony with the development pattern of the neighboring properties; • The proposed streets shall compose a convenient highway system and shall be properly related to the proposals shown on the Master Plan, if such exists, and shall be of such width, grade and location as to accommodate the prospective traffic, to afford adequate light and air, to facilitate fire protection and to provide access of fire-fighting equipment to buildings; and • Proper provision shall be made for open spaces for parks and playgrounds. 							
Stormwater Management	Yes	Chapter 44 Erosion and Sediment Control; Stormwater Management, 2008	Local	Superintendent of Stormwater	Yes	Yes	-
<p>Comment: The purpose of this chapter is to establish minimum stormwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public residing within this jurisdiction and to address the findings of fact in § 44-3, hereof. This chapter seeks to meet those purposes by achieving the following objectives:</p> <ul style="list-style-type: none"> • Meet the requirements of minimum measures 4 and 5 of the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), Permit No. GP-02-02, or as amended or revised; • Require land development activities to conform to the substantive requirements of the NYS Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Construction Activities GP-02-01, or as amended or revised; • Minimize increases in stormwater runoff from land development activities in order to reduce flooding, siltation, increases in stream temperature, and streambank erosion and maintain the integrity of stream channels; • Minimize increases in pollution caused by stormwater runoff from land development activities which would otherwise degrade local water quality; • Minimize the total annual volume of stormwater runoff which flows from any specific site during and following development to the maximum extent practicable; and • Reduce stormwater runoff rates and volumes, soil erosion and nonpoint source pollution, wherever possible, through stormwater management practices and to ensure that these management practices are properly maintained and eliminate threats to public safety. 							
Post-Disaster Recovery	No	-	-	-	No	-	-
Comment:							
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent	Yes	Yes	-
Comment:							
Growth Management	No ordinance	2004	Local	Planning Board	No	Yes	-
Comment: Cited in Master Comprehensive Plan – adopted 2004							
Site Plan Review	Yes	Village Code	Local	Planning Board	No	Yes	-
Comment:							
Environmental Protection	Yes	Chapter 38 Beaches, Chapter 61 Environmental Quality Review, Chapter 122 Waterways	Local	Village Board	Yes	Yes	-
<p>Comment: Chapter 61 - The purpose of this chapter is to implement the provisions of the State Environmental Quality Review Act and the State Environmental Quality Review Regulations, thereby incorporating environmental factors into local planning and decision-making</p>							



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						Yes	If no - can it be a mitigation action?
processes. Chapter 38 Beaches prohibits dangerous substances on beaches and destruction or removal of growth. Chapter 122 Waterways establishes water pollution prevention.							
Flood Damage Prevention	Yes	Chapter 73 Flood Damage Prevention. 2009.	Local	Superintendent of Buildings	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Yes	-
<p>Comment: Freeboard, State mandated BFE+2 for all construction. Cumulative Substantial Damages, Requirement cited in Village Code. It is the purpose of this chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:</p> <ul style="list-style-type: none"> Regulate uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities; Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction; Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters; Control filling, grading, dredging and other development which may increase erosion or flood damages; Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and Qualify for and maintain participation in the National Flood Insurance Program. 							
Municipal Separate Storm Sewer System (MS4)	Yes	Chapter 45 Storm Sewers, 2008	Local	Stormwater Management Officer	Yes	Yes	-
<p>Comment: The purpose of this article is to provide for the health, safety, and general welfare of the citizens of the Village of Asharoken through the regulation of nonstormwater discharges to the municipal separate storm sewer system (MS4) to the maximum extent practicable as required by federal and state law. This article establishes methods for controlling the introduction of pollutants into the MS4 in order to comply with requirements of the SPDES General Permit for Municipal Storm Sewer Systems. The objectives of this article are:</p> <ul style="list-style-type: none"> To meet the requirements of the SPDES General Permit for Stormwater Discharges from MS4s, Permit No. GP-02-02 or as amended or revised; To regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge nonstormwater wastes; To prohibit illicit connections, activities and discharges to the MS4; To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this article and all applicable laws; and To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, grease, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants in the MS4. 							
Emergency Management	No	-	-	-	Yes	-	-
Comment:							
Climate Change	No	-	-	-	Yes	-	-
Comment:							
Disaster Recovery Ordinance	No	-	-	-	No	-	-
Comment:							
Disaster Reconstruction Ordinance	No	-	-	-	No	-	-
Comment:							
Other	-	-	-	-	No	-	-
<p>Comment:</p> <ul style="list-style-type: none"> Special Purpose Ordinances (Chapter 73 2/2/1998) Steep slope ordinance 							



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						If no - can it be a mitigation action?	
Planning Documents							
Comprehensive Plan	Yes	2004 (master plan)	Local	Planning Board	No	No	-
Comment:							
Capital Improvement Plan	Yes	2004	Local	Superintendent of Buildings	No	No	Yes
Comment: Identified within Master Plan.							
Disaster Debris Management Plan	Yes	Suffolk County Multi-Jurisdictional Debris Management Plan	County, Local	Suffolk County FRES	No	Yes	-
Comment: This NYS and FEMA approved comprehensive Multi-Jurisdictional Debris Management Plan was developed through the cooperative efforts of Suffolk County and each of the ten (10) Towns, working together in conjunction with partners from private, state and federal agencies.							
Floodplain or Watershed Plan	No	-	-	-	No	-	-
Comment:							
Storm water Plan	Yes	Chapter 44	Local	SW Superintendent	No	Yes	-
Comment: Identified through Chapter 44 of the Village Code.							
Open Space Plan	Yes	Comprehensive Plan	Local	Planning Dept	Yes	Yes	-
Comment: Open Space is included as an element in the Comprehensive Plan							
Urban Water Management Plan	No	-	-	-	No	-	-
Comment:							
Habitat Conservation Plan	No	-	-	-	No	-	-
Comment:							
Economic Development Plan	No	-	-	-	No	-	-
Comment:							
Shoreline Management Plan	Yes	Local Waterfront Revitalization Plan and the North Shore of Long Island, Asharoken, New York Feasibility Study (June 2015) – Chapter 44	Local	Board of Trustees	Yes	Yes	-
Comment: The Village of Asharoken experiences moderate to severe beach erosion and flooding on the areas fronting Long Island Sound, Northport Bay, and Duck Island Harbor. The goal of this plan is to address these problem areas by reducing the threat of damages to existing residential buildings, and existing coastal protection measures caused by storm-induced wave action, erosion, and flooding from storms and high tides and to reduce disruption and damage to Asharoken Avenue.							
Community Wildfire Protection Plan	No	-	-	-	No	-	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action?	
Comment: The Village has a Fire Prevention Ordinance, Chapter 70 in the Village Code							
Forest Management Plan	Yes	Chapter 112	Local	Conservation Board	No	Yes	-
Comment: Identified within Chapter 112 of the Village Code.							
Transportation Plan	Yes	Chapter 104	Local	Highway Superintendent	No	Yes	-
Comment: Identified within Chapter 104 of the Village Code.							
Agriculture Plan	No	-	-	-	Yes	-	-
Comment:							
Other (this could include a climate action plan, tourism plan, business development plan, etc.)	Yes	Coastal Erosion Control Districts	Local	Board of Trustees	No	Yes	-
Comment:							
Response/Recovery Planning							
Comprehensive Emergency Management Plan	Yes	Suffolk County Comprehensive Emergency Management Plan (2018)	Suffolk County and Associated Jurisdictions	Suffolk FRES	Yes	Yes	-
Comment: The County Comprehensive Emergency Management Plan (CEMP) describes the emergency obligations of County government and its capability and capacity to undertake emergency assignments or acquire those resources necessary to support its emergency mission. The Concept of Operations of the CEMP describes the management of emergencies within the National Incident Management System (NIMS) and details emergency management programmatic efforts to accommodate present standards.							
Strategic Recovery Planning Report	Yes	Emergency Plan	Local	Emergency Manager/Police Dept.	No	Yes	-
Comment: Discussed within Village Emergency Plan.							
Threat & Hazard Identification & Risk Assessment (THIRA)	Yes	Insurance Carrier, NYMIR	Local	Board of Trustees/ Police Dept.	Yes	Yes	-
Comment: Completed through insurance carrier NYMIR.							
Post-Disaster Recovery Plan	Yes	Emergency Plan	Local	Emergency Manager	No	Yes	-
Comment: Contained within Emergency Plan.							
Continuity of Operations Plan	Yes	Emergency Plan	Local	Emergency Manager	No	Yes	-
Comment: Contained within Emergency Plan.							
Public Health Plan	No	-	Follow County & State	Board of Trustees/Emergency Manager	No	-	-
Comment:							
Other	-	-	-	-	No	-	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?
						If no - can it be a mitigation action?
Comment:						

Table 9.19-4. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Response Yes/No; Provide further detail
Development Permits. If yes, what department?	Everything inhouse
Permits are tracked by hazard area. For example, floodplain development permits.	All small sections are in FHA yes
Buildable land inventory If yes, please describe If no, please quantitatively describe the level of buildout in the jurisdiction.	95% developed

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Village of Asharoken.

Table 9.19-5. Administrative and Technical Capabilities

Resources	Available? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board/Zoning Board of Appeals	Yes	Independent from Village Departments
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Bd of Environmental Conservation
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Warning Systems / Services (reverse 911, outdoor warning signals)	No	-
Maintenance programs to reduce risk	Yes	Annual Sand Restoration, Beach Maintenance, Dune replenishment
Mutual aid agreements	Yes	Through the Town of Huntington and North Port Village, mostly roadways
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Building & Planning Department Superintendent of Buildings
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building & Planning Department Superintendent of Building Department
Planners or engineers with an understanding of natural hazards	Yes	Building & Planning Department Superintendent of Building Department
Staff with expertise or training in benefit/cost analysis	Yes	Trustees and various Village officials
Professionals trained in conducting damage assessments	Yes	Use Private vendors with expertise



Resources	Available? (Yes or No)	Department/ Agency/Position
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Police Commissioner
Scientist familiar with natural hazards	Yes??	Police Commissioner
NFIP Floodplain Administrator (FPA)	Yes	Building & Planning Department Superintendent of Building Department, Doug Adil
Surveyor(s)	Yes	Village Trustees/ contact as needed outside service
Emergency Manager	Yes	Emergency Manager/Bill Raisch
Grant writer(s)	Yes	Board of Trustees/Nancy Rittenhouse or Consultant
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	Yes	Stormwater Coordinator/ appointed by Trustees

Fiscal Capability

The table below summarizes financial resources available to the Village of Asharoken.

Table 9.19-6. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	Yes
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	Yes. DHSES
Open Space Acquisition funding programs	No program but have purchased open space.
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	Yes

Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Village of Asharoken.



Table 9.19-7. Education and Outreach Capabilities

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	Yes. Handled by Officer in charge. Generally, Melvin Ettinger, Police Commissioner
Personnel skilled or trained in website development?	Yes
Hazard mitigation information available on your website; if yes, describe	When needed. Community wide email once a week to residents individually. Newsletter/Twitter. Also links on website to Hazard Mitigation information
Social media for hazard mitigation education and outreach; if yes, briefly describe.	Individual resident emails/newsletter/Twitter
Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe.	Yes, but informal. Village brings in residents with expertise together as needed.
Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe.	Emails/newsletter/Twitter
Warning systems for hazard events; if yes, briefly describe.	Emails/Twitter
Natural disaster/safety programs in place for schools; if yes, briefly describe.	No schools in Village/belong to North Port/ East Northport
Other	-

Community Classifications

The table below summarizes classifications for community programs available to the Village of Asharoken.

Table 9.19-8. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	NP	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	3/3	2003 and completed recent questionnaire in 2/2020
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	3*	Contract to Northport
NYSDEC Climate Smart Community	NP	-	-
Storm Ready Certification	NP	-	-
Firewise Communities classification	NP	-	-
Other	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is





often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

Table 9.19-9. Adaptive Capacity

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low*
Coastal Erosion	Medium
Cyber Security	Medium
Disease Outbreak	Medium
Drought	Low
Earthquake	Medium
Expansive Soils	Low
Extreme Temperature	Medium
Flood	Medium
Groundwater Contamination	Medium
Hurricane	Medium
Infestation and Invasive Species	Medium
Nor’Easter	Medium
Severe Storm	Medium
Severe Winter Storm	Medium
Shallow Groundwater	Medium
Wildfire	Medium

- *High Capacity exists and is in use
- Medium Capacity may exist; but is not used or could use some improvement
- Low Capacity does not exist or could use substantial improvement
- Unsure Not enough information is known to assign a rating

The Village does not currently have access to resources to determine the possible impacts of climate change upon the municipality. However, the Village administrative is supportive of integrating climate change in policies or actions. Climate change is already being integrated into current policies/plans or actions (projects/monitoring) within the village with regards to building improvements. If an improvement is greater than 50% of the value of the structure the entire structure must be elevated.

9.19.5 National Flood Insurance Program

This section provides specific information on the management and regulation of the regulatory floodplain.

NFIP Floodplain Administrator (FPA)

Doug Adil, Superintendent of Buildings

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Asharoken.

Table 9.19-10. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
Village of Asharoken	163	242	\$6,464,375	22

- Source: FEMA 2020
- Notes: According to FEMA statistics as of 7/13/2020
- RL Repetitive Loss





Flood Vulnerability Summary

The current effective Flood Insurance Rate Maps are dated September 25, 2009. The Village feels these maps adequately address the Village's flood risk.

High risk areas include VE-Zone properties on Asharoken Avenue, older homes that are not elevated and several properties located on Kew Court. A list of properties that have been damaged by flooding is kept by the Village but only includes those damages that have been reported to the Village. The Village maintains a list of property owners interested in flood mitigation. Currently, two property owners are interested. Three properties have recently been mitigated through FEMA and the NY Rising Program.

Substantial Damage Estimates (SDE) are done through inspections. These estimates are not done by the NFIP FPA. The NFIP FPA reviews the SDE's prepared by licensed professional engineers and registered architects. No Substantial Damage determinations have been declared for recent flood events.

Approximately 19 homes were damaged following Hurricane Sandy in addition to bulkhead repairs. There was no reporting of structures being Substantially Damaged. Two of the homes damaged are in the process of mitigating their homes and one is forthcoming. Funding for the mitigation projects includes NFIP and FEMA. During Hurricane Sandy, homeowners who filed building permits due to flood damage form the basis of a list of flood damaged properties, two of which elevated their homes on pile foundations.

Resources

The Building Department is responsible for floodplain management with the support of the Village Clerk, members of the Board of Trustees, and the Mayor. Duties and responsibilities of the NFIP Administrator are site planning assistance, building permit review, inspections, engineering services, and damage assessments. Education and outreach is provided to the community through Village Newsletter and Q&A sessions at Board of Trustee meetings.

Doug Adil feels he is adequately supported and trained to fulfill his responsibilities as the municipal floodplain administrator. While Doug Adil (or other staff) is not a certified floodplain manager, he attends regular continuing education programs for code enforcement.

NFIP FPA Doug Adil does not feel there are any barriers to running an effective floodplain management program in the Village of Asharoken. Attending additional trainings on floodplain administration and receiving information on the Community Ratings System (CRS) is of great interest to the Village of Asharoken.

In order to determine if proposed development on an existing structure would qualify as a substantial improvement, the cost of the improvement is determined. If its 50% or higher compared to the value of the structure excluding the land, then it may be considered as a substantial improvement.

Compliance History

Village of Asharoken joined the NFIP on August 20, 1971, and is currently an active member of the NFIP.

The community is currently in good standing in the NFIP and has no outstanding compliance issues. The most recent Community Assistance Visit (CAV) took place on February 17, 2017. The Village sees no specific need for a CAV at this time.

Regulatory

The community's Flood Damage Prevention Ordinance (FDPO) was last updated on September 8, 2009, and is found at Chapter 73 of the local code. The community FDPO identifies the Superintendent of Buildings as the



local NFIP Floodplain Administrator, currently Doug Adil, for which floodplain administration is an auxiliary duty.

Village of Asharoken meets FEMA and New York State minimum requirements for floodplain management regulations. Site plan review in the permit planning and building permit review process focus on ensuring a reduction in flood risk.

Community Rating System

The Village of Asharoken is not a member of the Community Rating System and is not interested in joining the program at this time.

9.19.6 Integration with Other Planning Initiatives

As this HMP update is implemented, the Village of Asharoken will use information from the plan as the best available science and data for natural hazards. The capability assessment presented in this annex identifies codes, plans, and programs that provide opportunities for integration. The Suffolk County and local action plans developed for this HMP update actions related to plan integration, as well as progress on these actions, will be reported through the progress reporting process described in Volume I. New opportunities for integration also will be identified as part of the annual progress report.

Existing Integration

- **Fire Department Contracted Coverage:** The Northport and Eaton’s Neck Fire Departments are currently contracted to provide emergency fire and ambulance services.
- **Land Use Plans** – The Village maintains the Master Plan to minimize risk in hazard areas. Updates will include a review of the HMP to ensure that hazard areas are identified in the Master Plan.
- **Building Code, Ordinances, and Enforcement** – The Village reviews planned development against the hazard areas identified in the HMP during zoning and subdivision reviews.
- **Building Code, Ordinances, and Enforcement** – The Village maintains the NFIP flood damage prevention ordinance and floodplain management ordinance to minimize risk from flooding.
- **Emergency Response Plan** – The village developed and adopted an Emergency Response Plan in order to outline in detail the functions and responsibilities of each village department during a large scale natural or man-made emergency, so that response to emergencies lessens the severity of a disaster on property and the population. This plan includes many pre-event actions that both mitigate disaster losses, and directly supports recovery efforts.

Opportunities for Future Integration

None identified.

9.19.7 Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.



Evacuation Routes

The Village of Asharoken has one main road that is used to go in and out of the Village. In the event of evacuation, the Village will notify all residents via E-mail and post signs prior to the evacuation. The Police Department may have to go door to door as well to reach those residents who do not drive or have access to email. In critical situations the Village may utilize the Coast Guard Station just north of the Village of Asharoken to transport residents if needed.

Sheltering

The Village does not have agreements in place with neighboring municipalities or agreements with outside agencies in place.

The Village has an understanding that if the Town of Huntington sets up a shelter in the nearby High School then it could be utilized by the Village. The Village Hall can also be used as a shelter for Village residents and is equipped with a generator.

Shelter Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Village Hall	1 Asharoken Ave. Northport, NY 11768	50	Yes	Yes	Yes	Local Police; AED	None
Eaton's Neck FD	55 Eaton's Neck Road, Northport, NY 11768	100	Yes	Yes	Yes	Paramedic & EMT	None

Temporary Housing

The Village has identified the Village Hall parking lot (1 Asharoken Avenue) as a location for temporary housing for residents displaced by a disaster. The lot has space for approximately 2-3 trailers.

Permanent Housing

The Village does not have any locations identified for permanent housing in the event that structures located in the SFHA need to be relocated, or new properties must be built once severely damaged properties are demolished.

9.19.8 Hazard Event History Specific to the Village of Asharoken

Suffolk County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. The Village of Asharoken's history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Suffolk County. Table 9.19-11 provides details regarding municipal-specific loss and damages the Village experienced during hazard events. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.



Table 9.19-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
February 8 – 9, 2013	Severe Winter Storm and Snowstorm (FEMA DR-4111)	Yes	Low pressure that formed along the northern Gulf coast by the morning of Thursday, February 7, 2013 moved northeast to near Cape Hatteras by the morning of Friday, February 8, 2013 . The low then rapidly intensified while moving northeast to a position east of Cape Cod by the morning of Saturday, February 9, 2013, producing very heavy snowfall and blizzard conditions across central and eastern Long Island on February 8th and 9th, and winter storm conditions across the rest of southeast New York.	Although the County was impacted, the Village of Asharoken did not report any damages.
January 26-27, 2015	Winter Storm Juno, Blizzard	No	A potent Alberta Clipper low moved from southwestern Canada on January 24th to the Plains states and Ohio Valley on the 25th. The low then redeveloped off the Mid Atlantic coast on the 26th and rapidly intensified into a strong nor'easter, bringing heavy snow and strong winds to much of southeastern New York, and blizzard conditions to Suffolk County.	9 hour travel ban instituted, erosion.
Oct 2015	Nor'easter	No	Nor'easter, Strong wind heavy rain	Flooding/Sand accumulated on Asharoken Ave.
March 14 – 15, 2017	Severe Winter Storm and Snowstorm (FEMA DR-4322)	Yes	On Tuesday, March 14th, rapidly deepening low pressure tracked up the eastern seaboard resulting in damaging winds in Suffolk County.	Although the County was impacted, the Village of Asharoken did not report any damages.
Oct 27, 2018	Nor'easter	No	A coastal storm moved to the east of the area.	Flooding debris on roadways, primarily Asharoken Ave. major splashover from Long Island Sound at rock revetment
Nov 16, 2018	Nor'easter	No	Strong east to northeast winds developed across the region Thursday Night into early Friday morning, as an intensifying coastal storm tracked across the area.	Asharoken Avenue closed 4 hours
June 30, 2019	Thunderstorm Wind, Hail	No	A strong upper level disturbance triggered severe thunderstorms across Southeastern New York. One inch hail reported in Islip. 0.75 inch hail was reported in West Sayville. High winds 85 mph, short duration event .	Trees and power lines reported down in Asharoken resulted in \$3K in property damage.
December 30, 2019	Coastal Storm	No	Strong winds occurred ahead of low pressure and frontal boundary.	Huge splash-over Asharoken Avenue. Road closed two hours

Notes:





EM Emergency Declaration (FEMA)
 FEMA Federal Emergency Management Agency
 DR Major Disaster Declaration (FEMA)
 N/A Not applicable

9.19.9 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

The hazard profiles in Section 5 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes critical facility and community lifeline flood exposure, and the hazards of greatest concern and risk to the Village of Asharoken. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.

A gradient of certainty was developed to summarize the confidence level regarding the input used to populate the hazard ranking. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and create increased understanding of the data used to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.
- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability; majority of potential impacts are qualitative.

Critical Facilities

New York Department of Environmental Conservation (DEC) Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless constructed according to specific mitigation specifications, including being raised 2’ above the Base Flood Elevation (BFE). This statute is outlined at <http://tinyurl.com/6-CRR-NY-502-4>. While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 500-year flood event, or worst damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities and community lifelines located in the 1-percent and 0.2-percent floodplain. It also summarizes if the facility is already mitigated in compliance with NYS standards (i.e., to the 0.2-percent annual chance event or worse-case scenario), or if a new mitigation action is proposed in the plan update.

Table 9.19-12. Potential Flood Losses to Critical Facilities

Name	Type	Exposure			Complies with NYS Standards	Addressed by Proposed Action
		1% Event		0.2% Event		
		A-Zone	V-Zone			
Asharoken Village PD*	Police	X	-	X	Yes. A new Village Hall, including the Police Station was constructed the end of	-



					2015, including a six-foot high retaining wall along the Bay.	
Asharoken Village Hall	Polling Location	X	-	X	Yes. A new Village Hall was constructed the end of 2015, including a six-foot high retaining wall along the Bay.	-
Asharoken Village Hall*	Municipal Building	X	-	X	Yes. A new Village Hall was constructed the end of 2015, including a six-foot high retaining wall along the Bay.	-

Source: Suffolk County 2020; FEMA 2009

Notes: x = Facility is located in the floodplain boundary.

*Community Lifeline

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Suffolk County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Village of Asharoken. The Village of Asharoken has reviewed the county hazard risk/vulnerability risk ranking table and provided input to its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Village of Asharoken indicated the following:

- The Village changed the hazard ranking of hurricane from medium to high based on increased frequency.
- The Village changed the hazard ranking of nor'easter from medium to high based on increased frequency.
- The Village agreed with the remainder of the calculated hazard rankings.

Table 9.19-13. Hazard Ranking

Coastal Erosion	Cyber Security	Disease Outbreak	Drought	Earthquake	Expansive Soils
Medium	Medium	Medium	Low	Medium	Low





Extreme Temperature	Flood	Groundwater Contamination	Hurricane	Infestation and Invasive Species	Nor'Easter
Medium	Medium	Medium	High	Medium	High

Severe Storm	Severe Winter Storm	Shallow Groundwater	Wildfire
Medium	Medium	Medium	Medium

Identified Issues

The municipality has identified the following vulnerabilities within their community:

- There are reoccurring problems along the north side of Asharoken Avenue. High tides and storm related winds create beach erosion, damage dunes and flood Asharoken Avenue as waves break over the roadway along the revetment.
- At high tides, saltwater comes back through storm drains and floods Asharoken Avenue.
- Asharoken Beach experiences erosion
- In-Line Check Valves have been installed to prevent road flooding
- Tide surge causing flooding by sluice area on Bevin Road
- The Village has a lack of experience in cyber security and could use support from an outside IT company.
- Need expanded outreach on hazards.
- Need increased building code standards to address storms and flooding.

9.19.10 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2014 HMP. Actions that are carried forward as part of this plan update are included in the updated mitigation strategy table (Table 9.19-15). Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.19-14. Status of Previous Mitigation Actions

Project #	Project Name	Hazard(s) / Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost		
VAS-1 (Sandy HMGP LOI #1198)	Assess and prioritize options to re-design and relocate the critical facility, which contains village offices, police department and Village Court, to higher ground.	Earthquake, Flood, Hurricane, Infestation, Nor'easter, Severe Storm, Shallow GW, Wildfire, Winter Storm	Village of Asharoken		Complete			<ol style="list-style-type: none"> 1. Discontinue 2. 3. Complete
						Level of Protection	Village hall was relocated. The new facility's location was moved to an area having higher elevation within the same property and the building was raised 4 feet. Generator installed.	
						Damages Avoided; Evidence of Success		
VAS-2	Assess and prioritize options to retrofit, acquire, or relocate	Flood, Coastal Erosion, Hurricane,	Town/Village Engineering via NFIP FPA) with		In Progress	Cost		<ol style="list-style-type: none"> 1. Include in 2020 HMP
						Level of Protection		



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Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Damages Avoided; Evidence of Success	
	structures located in hazard-prone areas, and support implementation as funding becomes available. Implementation is further supported by county-led initiatives identified below.	Nor'easter, Severe Storm, Wildfire, Winter Storm	NYSOEM, FEMA support					2. Continue to assess options for property owners to retrofit, lift and when possible relocate structures. 3.
VAS-3 (former VAS-13)	Assess and prioritize options to protect electricity transmission infrastructure in the Village and implement as funding becomes available.	Earthquake, Flood, Hurricane, Nor'easter, Severe Storm, Wildfire, Winter Storm	Village Board; DEC		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-4	Assess and prioritize options to prevent flooding from the leaching pool and its catch valve at Village Hall, and implement as funding becomes available	Flood, Hurricane, Nor'easter, Severe Storm, Winter Storm	Village Board; DEC		Complete	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-5 (former VAS-1)	Assess and prioritize options to prevent road wash-overs and to stabilize road shoulders against erosion in the area of Bevin Rd and implement as funding becomes available.	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	USACE; Village Board		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-6 (former VAS-2)	Assess and prioritize options to repair road surface and provide road stabilization in the area of Bevin Rd	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	USACE; Village Board, Dept of Transportation		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-7					No Progress	Cost		





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Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Level of Protection	Cost	
(former VAS-3)	Assess and prioritize options to prevent surface flooding by allowing free tidal flow in and out of the tidal pond in the Kew Court area of Duck Island Harbor	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; DEC			Level of Protection		1. Include in 2020 HMP 2. 3.
VAS-8 (former VAS-4)	Assess and prioritize options to enhance capability of surface drainage system in the area of Bevin Rd and other locations and implement as funding becomes available.	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; DEC		No Progress	Level of Protection		1. Include in 2020 HMP 2. 3.
VAS-9 (former VAS-5)	Continue/enhance the development of engineered beaches where appropriate	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; USACE, DEC		No Progress	Level of Protection		1. Include in 2020 HMP 2. Development of engineered beaches where needed 3.
VAS-10 (former VAS-6)	Assess and prioritize options to develop or enhance existing beach nourishment programs and implement as funding is made available.	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; USACE, DEC		In Progress	Level of Protection		1. Include in 2020 HMP 2. Every three years National Grid and ACOE deposit 50,000 cubic yards of sand on Asharoken Beach from house number 100-230. This is funded by National Grid. The Village is working on ways to enhance the placement of sand; by either deposit every year as well as deposit more material to substantially make a difference in the erosion rate. 3.
VAS-11	Work together with the County and others to bring CRS	Nor'easter, Coastal Erosion, Severe Winter	Village Board		Ongoing Capability	Level of Protection		1. Discontinue 2.





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Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
(former VAS-10)	training/workshops into the community where appropriate community officials and staff will actively participate	Storm, Severe Storm, Hurricane, Flooding				Damages Avoided; Evidence of Success		3. Ongoing Capability
VAS-12 (former VAS-11)	Complete the feasibility study with the USACE to protect life, property, and infrastructure or road, and to minimize storm damage on the LI Sound side properties of Asharoken – approx. 3 ½ miles – in conjunction with federal funding	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; USACE		No Progress	Cost		1. Discontinue 2. 3. The beach restoration project; was rejected by property owners. Receiving federal funding would have forced public access and the property owners who own homes on the sound side beach rejected the plan. The ACOE stopped the feasibility study and the beach restoration project has ended at this time.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-13 (former VAS-12)	Implement recommendations of joint feasibility study with USACE as funding becomes available	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	Village Board; USACE		No Progress	Cost		1. Discontinue 2. 3. The feasibility study between the state and USACOE for the Asharoken Beach Restoration project has ended due to lack of support from property owners.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-14	Assess and prioritize options to protect above-ground utilities and implement as funding becomes available.	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding and Wildfire	Village Board, LIPA		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VAS-15 (former VAS-14)	Document erosion rates by taking new aerial photographs of the shoreline at least every 5 years	Nor'easter, Coastal Erosion, Severe Winter Storm, Severe Storm, Hurricane, Flooding	USACE; Village Board		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		





Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
VAS-16 (former VAS-15)	Promote open space uses in identified high hazard areas via techniques such as : PUD's, easements, setbacks, greenways, sensitive area tracks	All Hazards	Village Board		Ongoing capability.			<ol style="list-style-type: none"> Discontinue Ongoing capability.
VAS-17 (former VAS-9)	Support and participate in county led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically: <ul style="list-style-type: none"> Mitigation Education for Natural Disasters (natural hazard awareness and personal scale risk reduction/mitigation public education and outreach program) Build Local Floodplain Management and Disaster Recovery Capabilities (enhanced floodplain management, and post-disaster assessment and recovery capabilities) County-Wide Debris Management Plan Jurisdictional Knowledge of Mitigation Needs of Property Owners (improved understanding of damages and mitigation interest/activity of private property owners) Create a Multi-Jurisdictional Seismic Safety Committee in Suffolk County (build regional, county and local capabilities to manage seismic risk, both pre- and post-disaster) Alignment of Mitigation Initiatives through all levels of Government (effort to build State and Federal level recognition and support of the County and local hazard mitigation planning strategies identified in this plan). 							
	See above	All Hazards	Suffolk County, as supported by relevant local department leads		Ongoing Capability			<ol style="list-style-type: none"> Discontinue Ongoing capability. The Village continues to build local floodplain management and disaster recovery capabilities. Increased knowledge of mitigating disasters to homeowners is on-going.
VAS-18	Work with County and PSEG (formerly LIPA) to identify roads within the municipality that are considered "critical", and to be the first priority for clearing after an event involving downed power lines.	Severe Storm; Severe Winter Storm; Hurricane; Nor'easter	Village Board		Ongoing Capability			<ol style="list-style-type: none"> Discontinue Ongoing Capability. Village continues to work with PSEG and NG to identify roads that need clearing after an event. We work closely with our utility partners to ensure that the one main road within our jurisdiction stay clear and open during and after a storm or disaster.



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Village of Asharoken has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2014 HMP:

- A new Village Hall was constructed the end of 2015, including a six-foot high retaining wall along the Bay.

Proposed Hazard Mitigation Initiatives for the HMP Update

The Village of Asharoken participated in a mitigation action workshop in June 2020 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.19-15 summarizes the comprehensive-range of specific mitigation initiatives the Village of Asharoken would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), fourteen criteria are used to evaluate and prioritize each proposed mitigation action. A numeric factor is assigned (-1, 0, or 1) to each criterion to provide a relative indication of the opportunities and constraints of each action. A numerical sum of the input provides the basis of the prioritization of actions wherein each action is assigned a category of Low, Medium, or High to indicate an implementation hierarchy. A High priority action indicates the jurisdiction will prioritize its implementation and apply for funding, if needed, as opportunities become available during the plan period of performance. This does not prevent the jurisdiction from implementing other ranked actions; however, this provides a snapshot of implementation priority at the time of this plan update.

Table 9.19-16 provides a summary of the evaluation and prioritization for each proposed mitigation initiative. Refer to the action worksheets at the end of this annex for more details on the high-ranked hazards identified first for implementation.



Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2020-Asharoken-001	Repetitive Loss Properties	1, 2	Flood; Severe Storm; Shallow Groundwater	<p>Problem: Frequent flooding events have resulted in damages to residential properties. Neighborhoods prone to residential property include Asharoken Avenue and Kew Court. These properties have been repetitively flooded as documented by paid NFIP claims.</p> <p>Solution: Conduct outreach to 30 flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).</p>	No	None	3 years	NFIP Floodplain Administrator, supported by homeowners	\$3 Million	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.	FEMA HMGP and FMA, local cost share by residents	High	SIP	PP
2020-Asharoken-002	Asharoken Avenue Beach Dune Restoration	3, 4, 5	Coastal Erosion, Flood, Nor'Easter, Hurricane	<p>Problem: 740LF of beach dune was severely damaged due to erosion of the beach. The main highway is at risk from wave action from the LI Sound.</p> <p>Solution: Rebuild a 740LF of beach dune that was severely damaged due to erosion of the beach. The beach dune is a critical infrastructure needed to protect our main highway. The beach dune is within the Village's highway shoulder between Long Island Sound and the main highway. The dune supports the highway that provides access to</p>	No	Permits secured	2 years	Administration	Medium	Restore Dune, Protect Highway, Maintain Transportation to Critical facilities and homes.	DASNY grant	High	NSP	NR





Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				the northern section of the village and Eaton's Neck (approx 1500) residents, as well as Eaton's Neck Fire District (used as an emergency shelter) and the U.S. Coast Guard Station. The Village received the NYSDEC permit for this project. Funding may be available through NYS DASNY grant program. We are working with Senator Gaughran's office. The critical point in order to mitigate the destruction of the main highway is to provide protection from wave action from the LI Sound. Engineers may determine that other sources of protection such as a rock revetment or concrete barriers or another plan may help protect the highway. Village received the NYSDEC permit to perform the work.										
2020-Asharoken-003	Guiderail Across Seawall	1, 2, 3	Flood	<p>Problem: Asharoken Avenue becomes overwhelmed with wash over from the seawall washing out all material adjacent to the main highway causing a hazardous drop off for motorists and school buses. In the past cars and trucks have been forced to drive off the roadway into an eroded ditch to avoid on coming cars.</p> <p>Solution: The installation of a guide rail across from the seawall; approx. 475 feet long. The guide rail would be installed along side the edge of the highway to guide motorists from the edge of the roadway going southbound on</p>	No	None	2-3 months	Administration	\$64,000.00	Provide safety to motorists and prevent motorists from driving off the roadway	NYS DOT, CHIPS	High	SIP	PP



Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				Asharoken Avenue. The guide rail would provide awareness of the dangerous and hazardous situation. The village is looking for funding from DOT, CHIPS; this is deemed a public safety concern. The Village is open to other engineered resources that would enhance this section of the highway for the safety of the public.										
2020-Asharoken-004	Restore Wetlands and Reduce Erosion	2, 4, 5	Coastal Erosion	<p>Problem: Erosion and undermining of the roadway created by wash over by the seawall.</p> <p>Solution: Engineer solutions to minimize the flow and control of water. Second action is to restore the wetland to minimize the flow of material into the bay.</p>	No	Permitting	Within 3 months	Administration	Medium	Restore the wetlands and mitigate erosion.	Environmental grants, Village budget	Medium	NSP	NR
2020-Asharoken-005	Dredge Duck Island Harbor, Channel and Inner Harbor	1, 3, 5, 8	Coastal Erosion	<p>Problem: Duck Island Harbor, the channel, and the inner harbor need to be dredged. The dredge material may be able to be used in other coastal mitigation projects.</p> <p>Solution: Action is to receive funding to perform test boring in the harbor to determine the composition of the material that can be dredged. The material may be used to mitigate other coastal erosion areas.</p>	No	Will require permitting	Within 5 years	Administration	High	Mitigate erosion, maintain navigability	NYS DOT, USACE, Village budget	High	NSP	NR
2020-Asharoken-006	Replenish Asharoken Beach	1, 3, 5, 8	Coastal Erosion	<p>Problem: The Asharoken Beach suffers from erosion and needs beach replenishment to protect the homes that sit landward of the shoreline. Restoring the beach will also protect the roadway as well. During several severe storms the Long Island Sound has breached the shoreline causing</p>	No	Will require permitting	Within 5 years	Administration	High	Beach replenished	USACE, NYS DEC, Village budget	High	NSP	NR



Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				<p>massive flooding onto Asharoken Avenue. Developing a plan to replenish the beach by dredging along the shoreline or bringing in upland sand is needed.</p> <p>Solution: Project is to replenish the Asharoken Beach Sound Shoreline 1000' from the National Grid Jetty to the US Coast Guard Station. The last report by the ACOE indicated that the beach was in need of 600,000 cubic yards of sand to restore the beach properly. In addition, periodic replenishment of sand is needed to protect the beach and homes. In the past the residents rejected this approach of using Federal funding sand; because of public access being required. It is important to find ways to mitigate a growing problem of beach erosion along Asharoken Beach for future years.</p>										
2020-Asharoken-007	Check Valve at Asharoken Avenue	1, 2	Flood	<p>Problem: During high tide surges; bay side water surges and enters a conduit pipe that opens the highway. During high tide surges this salt water floods the roadway; creating flooding; and damaging vehicles as well as police and fire vehicles.</p> <p>Solution: Install an in-line Check Valve to prevent flooding on our main highway. By installing an in-line Check Valve the tide surge would be closed off to the pipe preventing flooding.</p>	No	None	Within 2 years	Administration	\$25,000	Prevent Flooding onto our highway	NYS DHSES	High	SIP	PP
2020-Asharoken-008	Seawall and Beach	1, 2, 3, 5	Flood, Coastal Erosion,	<p>Problem: The original seawall was constructed by the ACOE approximately 25 years ago. The</p>	No	None	Within 2 years	Administration	High	Prevents flooding,	HMGP, USACE, NYSDEC ,	High	SIP, NSP	PP, NR





Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category	
	Improvements		Hurricane, Nor'easter	<p>seawall had an estimated life of 15 years. The (ASDRP) Asharoken Storm Damage Reduction Plan was being studied to rebuild the beach as well as mitigate or replace the deteriorating seawall. The ASDRP required public access in a 100% privately owned community and the public rejected the ASDRP plan due to public access. This action is for funding of Plan A to develop a study/plan to restore the 300' seawall. Action Plan B would be to re-construct and restore the seawall that is so vital for this area. The seawall area protects 2000 residents, the United States Coast Guard Station and Eaton's Neck Fire District. In 2018-2019 a sinkhole developed causing serious implications to the strength of the seawall. The Village and Township worked together in developing a plan to repair the sinkhole and mitigate future damage to the seawall structure. This repair was a temporary solution needed to prolong the life span of the seawall.</p> <p>Flooding and road closures from Nor'easter storms cause splash overs, etc. Road closures occur periodically resulting in delays; getting home, going to work, school buses transporting students, transportation of critical care patients to the hospital.</p>							structure damage	Village budget			



Table 9.19-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				<p>Solution: Plan A to develop a study/plan to rebuild the seawall and beach in front of the seawall; rework rock revetment or create a breakwater system.</p> <p>Plan B is to implement the study/plan an reconstruct the seawall and beach. The Village is working with the Town of Huntington, DEC and USACE to continue to work on getting funding for Plan A (study/Plan). Funding will be needed for Plan B the construction of the plan to restore the seawall. In 2020 the USACE communicated that it would prefer to rebuild the entire Asharoken Beach and seawall; but will not rebuild the seawall as a stand alone project.</p>										
2020-Asharoken-009	Catch Basins	2	Flood, Severe Storm, Shallow Groundwater Flooding	<p>Problem: Highway flooding occurs on Asharoken Avenue near homes.</p> <p>Solution: To install catch basins on the west and east side of the highway to mitigate standing water in this area noted above. The village hired an engineer to develop a plan to mitigate the flooding and drain excess rainwater into catch basins.</p>	No	None	Within 2 years	Administration	Medium	No standing water, mitigate flooding	Village budget	High	SIP	SP
2020-Asharoken-010	Coastal Erosion Monitoring	1, 2, 3, 5	Coastal Erosion, Hurricane, Nor'Easter	<p>Problem: The Village has shoreline which could be exposed to coastal erosion.</p> <p>Solution: The Village will participate in a county led erosion monitoring program.</p>	No	None	Within 1 year	SCWD, Village Administration	Staff time	Identification of coastal erosion	Municipal budget	High	NSP	NR

Notes:





Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
EHP	Environmental Planning and Historic Preservation
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program

Timeline:

The time required for completion of the project upon implementation


Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes  Critical Facility located in 1% floodplain

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities



Table 9.19-16. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community	Total	High / Medium / Low
2020-Asharoken-001	Repetitive Loss Properties	1	1	1	1	1	1	0	1	0	0	1	1	0	1	10	High
2020-Asharoken-002	Asharoken Avenue Beach Dune Restoration.	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2020-Asharoken-003	Guiderail Across Seawall	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2020-Asharoken-004	Restore Wetlands and Reduce Erosion	0	1	1	1	1	0	1	1	1	1	1	1	1	1	12	High
2020-Asharoken-005	Dredge Duck Island Harbor, Channel and Inner Harbor	1	1	1	1	1	0	0	1	1	1	1	1	1	1	12	High
2020-Asharoken-006	Replenish Asharoken Beach	1	1	1	1	1	0	0	1	1	1	0	0	1	1	10	High
2020-Asharoken-007	Check Valve at Asharoken Avenue	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2020-Asharoken-008	Seawall and Beach Improvements	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2020-Asharoken-009	Catch Basins	0	1	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2020-Asharoken-010	Coastal Erosion Monitoring	0	1	1	1	1	1	0	1	1	1	0	1	1	1	11	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).





9.19.11 Proposed Mitigation Action Types

The table below indicates the range of proposed mitigation action categories.

Table 9.19-17. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Coastal Erosion		2020-Asharoken-008	2020-Asharoken-002, 2020-Asharoken-004, 2020-Asharoken-005, 2020-Asharoken-006, 2020-Asharoken-008, 2020-Asharoken-010			2020-Asharoken-008		2020-Asharoken-002, 2020-Asharoken-004, 2020-Asharoken-005, 2020-Asharoken-006, 2020-Asharoken-008, 2020-Asharoken-010		
Cyber Security										
Disease Outbreak										
Drought										
Earthquake										
Expansive Soils										
Extreme Temperature										
Flood		2020-Asharoken-001, 2020-Asharoken-003, 2020-Asharoken-007, 2020-Asharoken-008, 2020-Asharoken-009	2020-Asharoken-002, 2020-Asharoken-008			2020-Asharoken-001, 2020-Asharoken-003, 2020-Asharoken-007, 2020-Asharoken-008, 2020-Asharoken-009		2020-Asharoken-002, 2020-Asharoken-008		
Groundwater Contamination										
Hurricane		2020-Asharoken-008, 2020-Asharoken-010	2020-Asharoken-002, 2020-Asharoken-008			2020-Asharoken-008		2020-Asharoken-002, 2020-Asharoken-008, 2020-Asharoken-010		
Infestation and Invasive Species										
Nor'easter		2020-Asharoken-008	2020-Asharoken-002, 2020-Asharoken-008, 2020-Asharoken-010			2020-Asharoken-008		2020-Asharoken-002, 2020-Asharoken-008, 2020-Asharoken-010		
Severe Storm		2020-Asharoken-001, 2020-Asharoken-009				2020-Asharoken-001, 2020-Asharoken-009				



Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Severe Winter Storm										
Shallow Groundwater		2020-Asharoken-001, 2020-Asharoken-009				2020-Asharoken-001, 2020-Asharoken-009				
Wildfire										

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

9.19.12 Staff and Local Stakeholder Involvement in Annex Development

The Village of Asharoken followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Village departments, including: The Village clerk, the building inspector, and a trustee. The Village clerk represented the community on the Suffolk County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. The Town of Huntington represented the Village of Asharoken on the Steering Committee. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes who participated and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.19-18. Contributors to the Annex

Name	Title/Entity	Method of Participation
Nancy Rittenhouse	Village Clerk	Primary POC, attended plan participant meetings, provided impact information, provided input on mitigation strategy.
Pam Pierce	Trustee	Secondary POC
Doug Adil	Building Inspector	NFIP Floodplain Administrator.

9.19.13 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Village of Asharoken that illustrate the probable areas that may be impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are considered to be adequate for planning purposes. The maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Asharoken has significant exposure.



Figure 9.19-1. Village of Asharoken Hazard Area Extent and Location Map 1

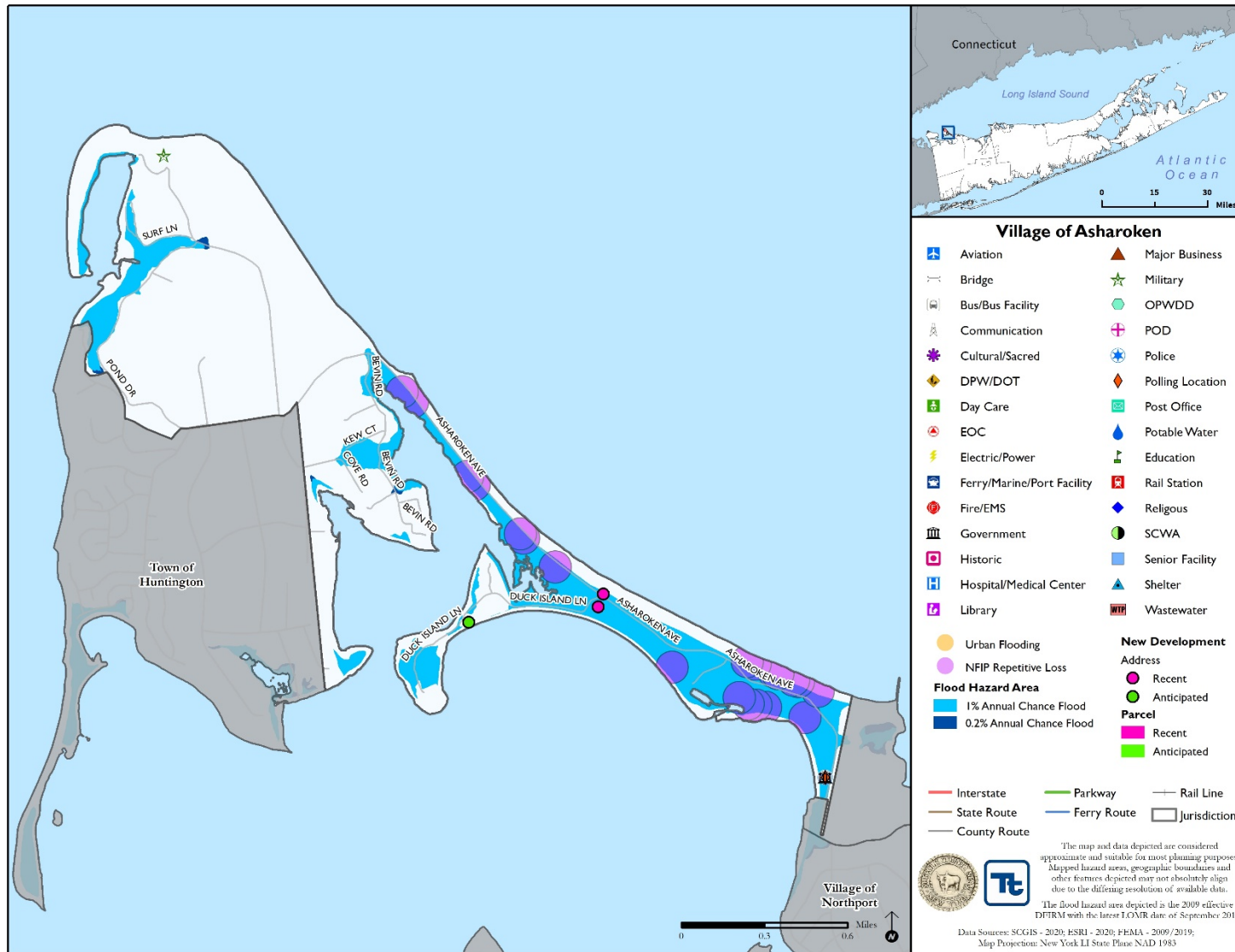




Figure 9.19-2. Village of Asharoken Hazard Area Extent and Location Map 2

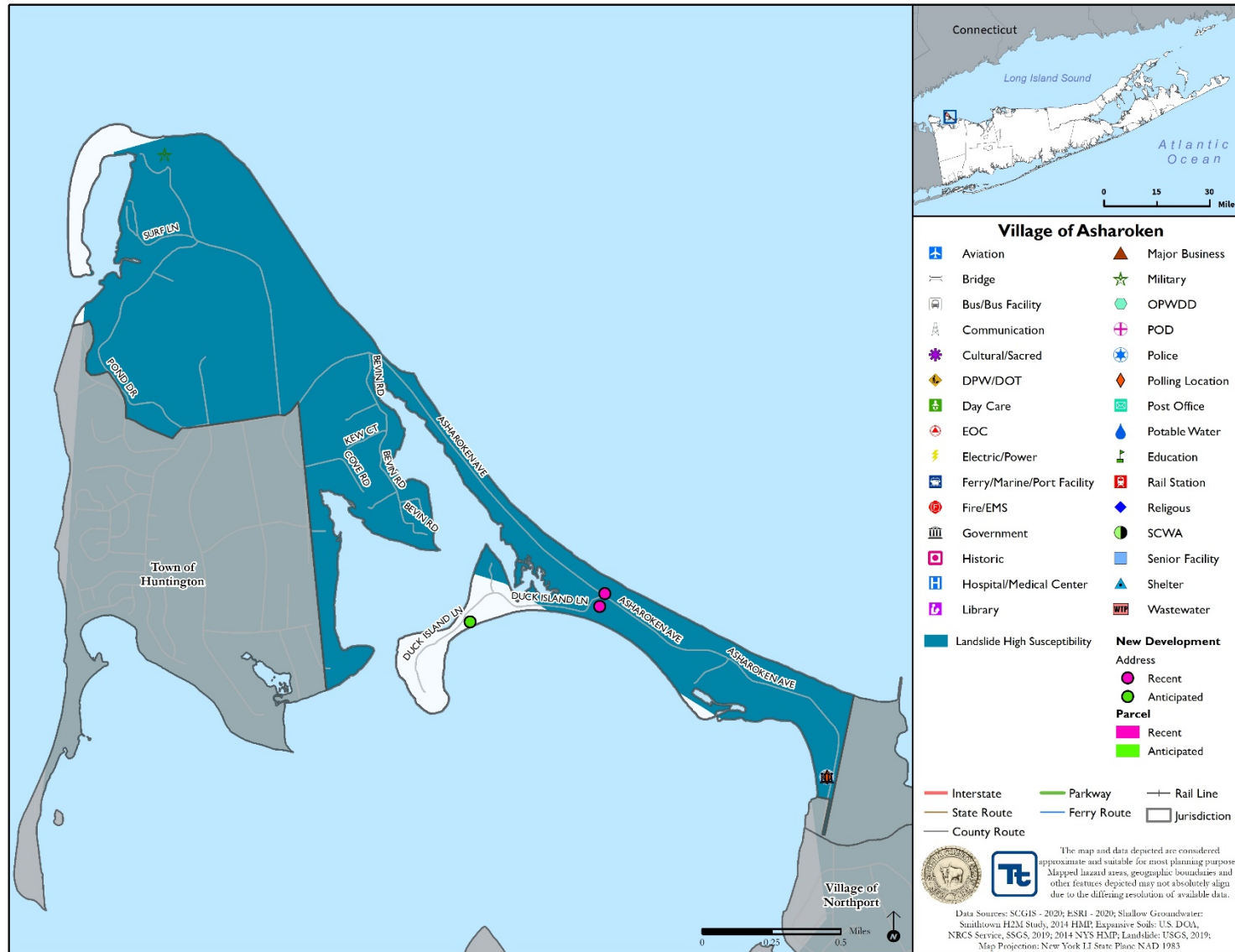




Figure 9.19-3. Village of Asharoken Hazard Area Extent and Location Map 3

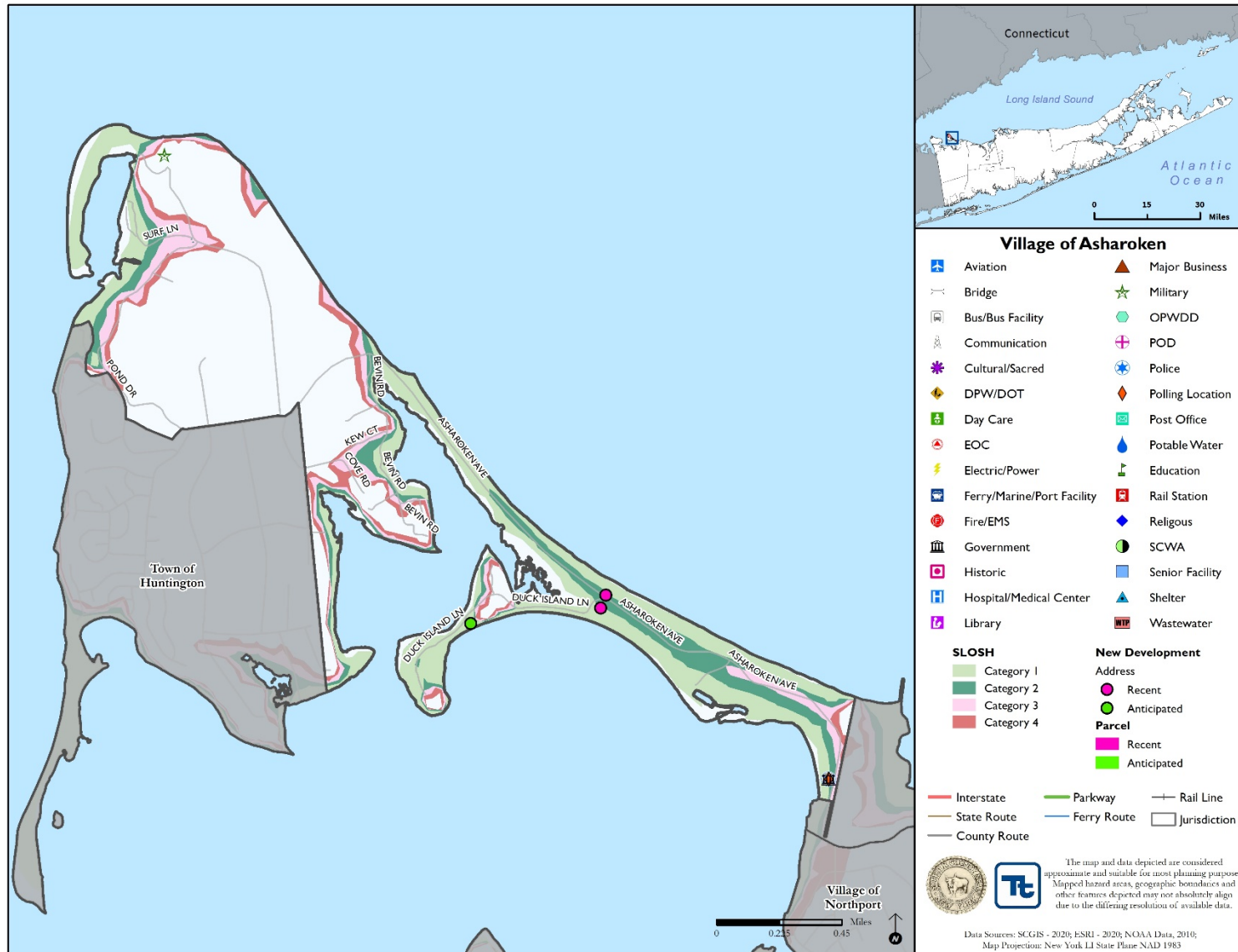




Figure 9.19-4. Village of Asharoken Hazard Area Extent and Location Map 4

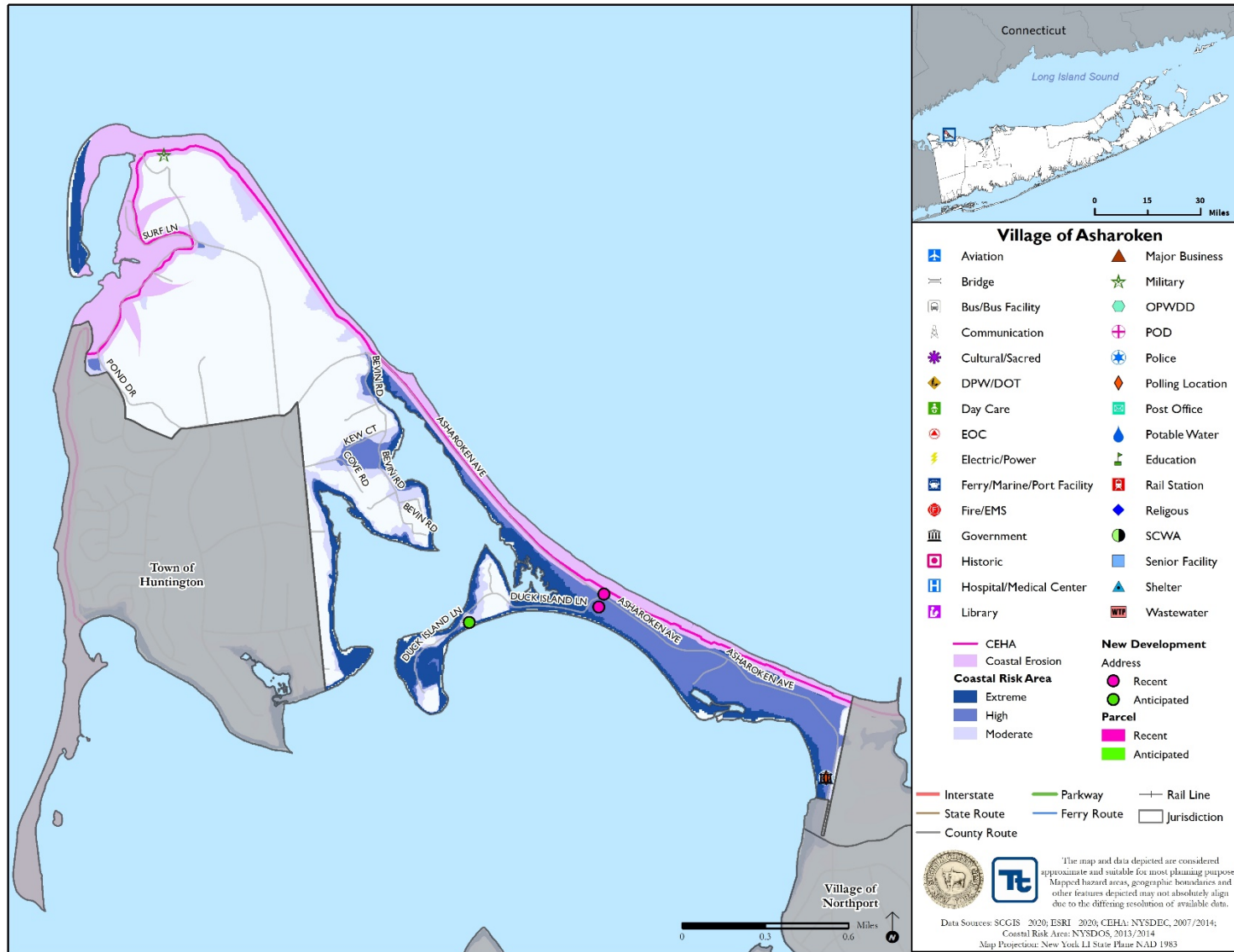




Figure 9.19-5. Village of Asharoken Hazard Area Extent and Location Map 5

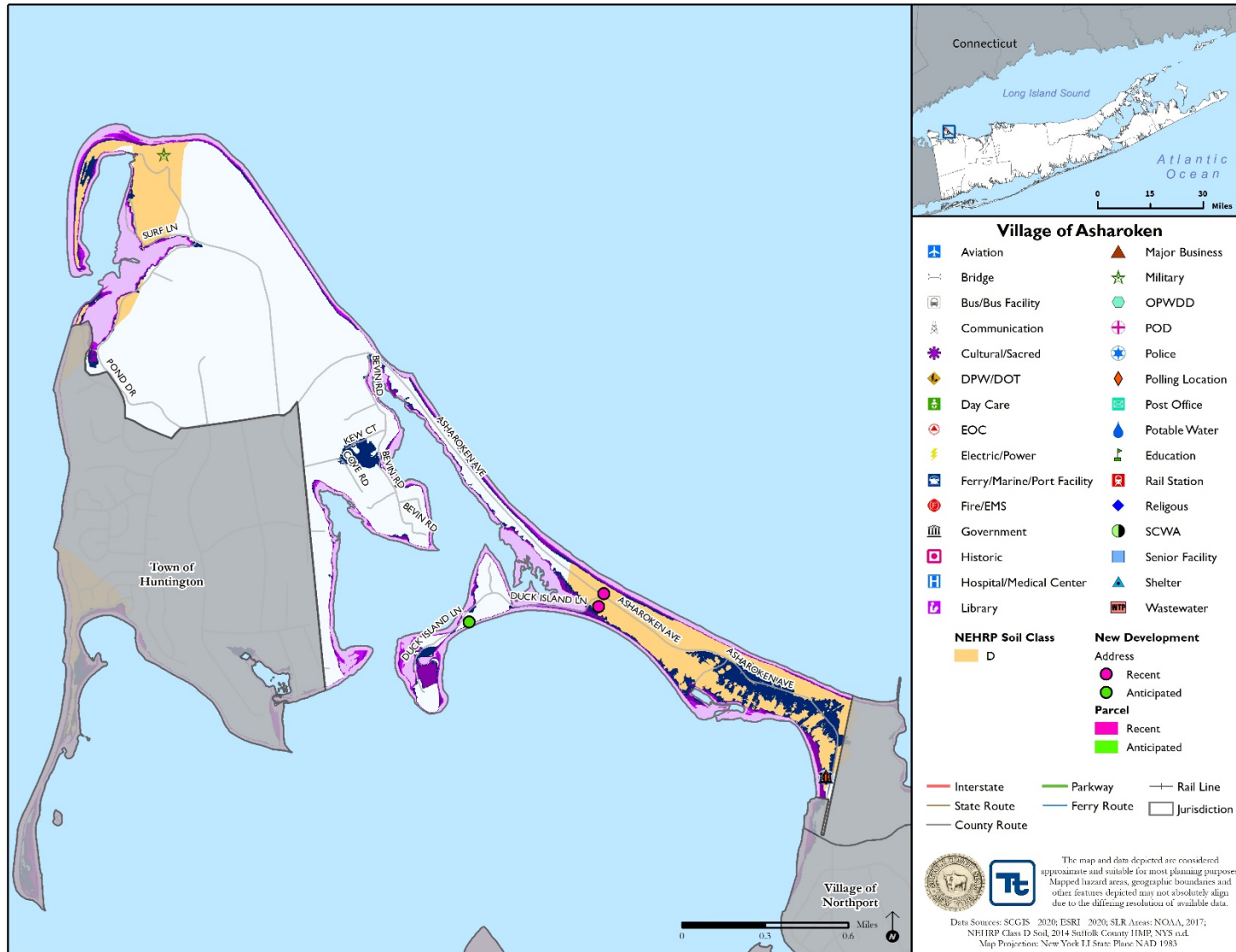
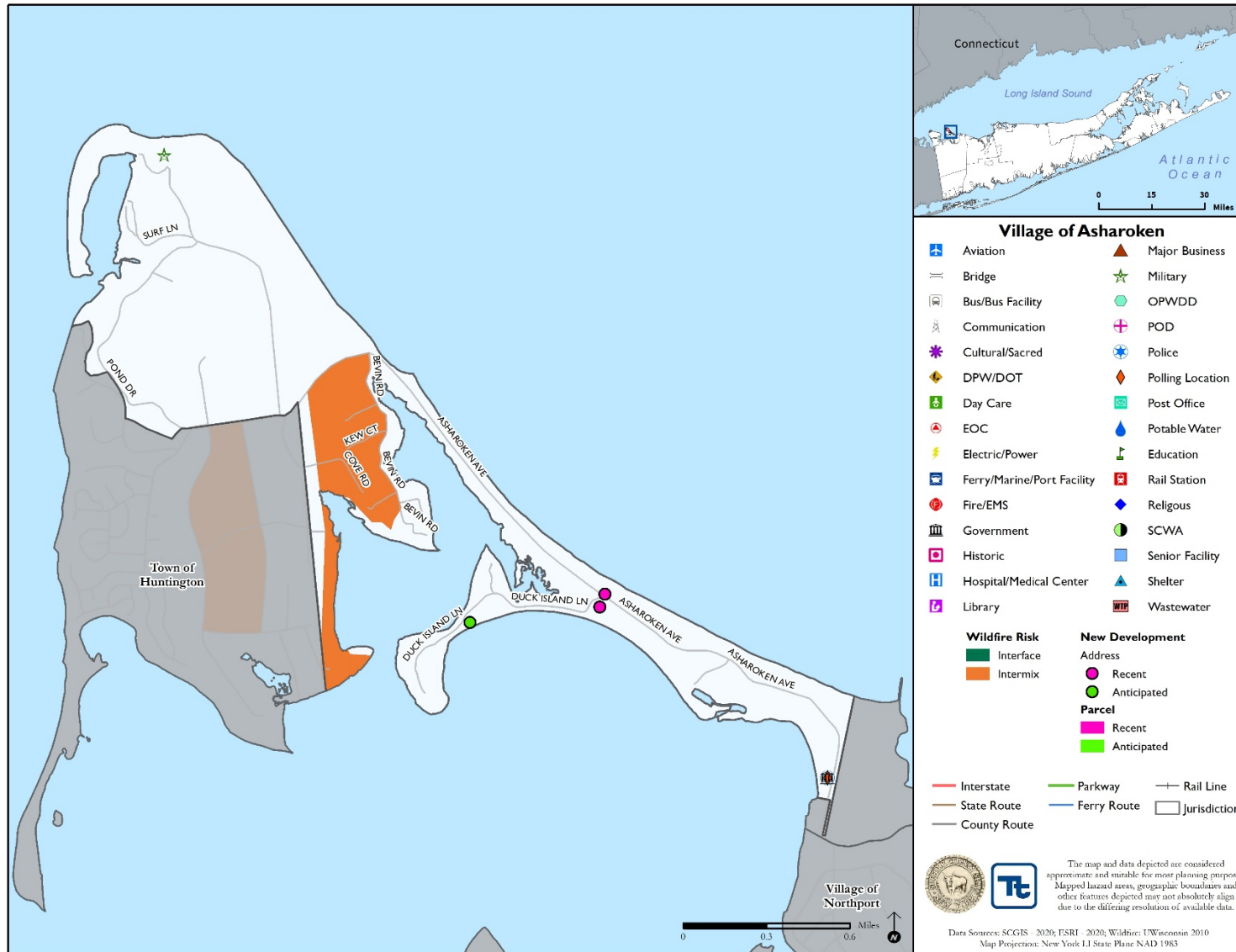




Figure 9.19-6. Village of Asharoken Hazard Area Extent and Location Map 6





Action Worksheet			
Project Name:	Repetitive Loss Properties		
Project Number:	2020-Asharoken-001		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Severe Storm		
Description of the Problem:	Frequent flooding events have resulted in damages to residential properties. Neighborhoods prone to residential property include Asharoken Avenue and Kew Court. These properties have been repetitively flooded as documented by paid NFIP claims.		
Action or Project Intended for Implementation			
Description of the Solution:	Conduct outreach to 30 flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).		
Is this project related to a Critical Facility or Lifeline?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Level of Protection:	1% annual chance flood event + freeboard <i>(in accordance with flood ordinance)</i>	Estimated Benefits (losses avoided):	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
Useful Life:	Acquisition: Lifetime Elevation: 30 years (residential)	Goals Met:	1, 2
Estimated Cost:	\$3Million	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	6-12 months
Estimated Time Required for Project Implementation:	Three years	Potential Funding Sources:	FEMA HMGP and FMA, local cost share by residents
Responsible Organization:	NFIP Floodplain Administrator, supported by homeowners	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Elevate homes	\$500,000	When this area floods, the entire area is impacted; elevating homes would not eliminate the problem and still lead to road closures and impassable roads
Elevate roads	\$500,000	Elevated roadways would not protect the homes from flood damages	
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Repetitive Loss Properties	
Project Number:	2020-Asharoken-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Families moved out of high-risk flood areas.
Property Protection	1	Properties removed from high-risk flood areas.
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The Village has the legal authority to conduct the project.
Fiscal	0	Project will require grant funding.
Environmental	1	
Social	0	Project would remove families from the flood prone areas of the Village.
Administrative	0	
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	
Agency Champion	1	NFIP Floodplain Administrator, supported by homeowners
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Seawall and beach improvements		
Project Number:	2020-Asharoken-008		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Coastal Erosion, Hurricane, Nor'Easter		
Description of the Problem:	<p>The original seawall was constructed by the ACOE approximately 25 years ago. The seawall had an estimated life of 15 years. The (ASDRP) Asharoken Storm Damage Reduction Plan was being studied to rebuild the beach as well as mitigate or replace the deteriorating seawall. The ASDRP required public access in a 100% privately owned community and the public rejected the ASDRP plan due to public access. This action is for funding of Plan A to develop a study/plan to restore the 300' seawall. Action Plan B would be to re-construct and restore the seawall that is so vital for this area. The seawall area protects 2000 residents, the United States Coast Guard Station and Eaton's Neck Fire District. In 2018-2019 a sinkhole developed causing serious implications to the strength of the seawall. The Village and Township worked together in developing a plan to repair the sinkhole and mitigate future damage to the seawall structure. This repair was a temporary solution needed to prolong the life span of the seawall.</p>		
Action or Project Intended for Implementation			
Description of the Solution:	<p>Plan A to develop a study/plan to rebuild the seawall and beach in front of the seawall; rework rock revetment or create a breakwater system.</p> <p>Plan B is to implement the study/plan a reconstruct the seawall and beach. The Village is working with the Town of Huntington, DEC and USACE to continue to work on getting funding for Plan A (study/Plan). Funding will be needed for Plan B the construction of the plan to restore the seawall. In 2020 the USACE communicated that it would prefer to rebuild the entire Asharoken Beach and seawall; but will not rebuild the seawall as a stand alone project.</p>		
Is this project related to a Critical Facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	Seawall and beach rebuilt	Estimated Benefits (losses avoided):	Prevents flooding, structure damage
Useful Life:	25 years	Goals Met:	1, 2, 3, 5
Estimated Cost:	High	Mitigation Action Type:	Structure and Infrastructure Project, Natural Systems Protection
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Within 2 years
Estimated Time Required for Project Implementation:	5 years	Potential Funding Sources:	HMGP, USACE, NYSDEC, Village budget
Responsible Organization:	Administration	Local Planning Mechanisms to be Used in Implementation if any:	Hazard mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Remove seawall	N/A	Increased flooding and storm damages
	Replenish beach but make no seawall upgrades	High	Seawall damages continue
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			



Update Evaluation of the Problem and/or Solution:	
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Evaluation and Prioritization		
Project Name:	Seawall and beach improvements	
Project Number:	2020-Asharoken-008	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protects life from flooding
Property Protection	1	Prevents flood and structure damage
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	0	Project will require permitting
Fiscal	0	Project will require funding support
Environmental	1	Restores beach
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Coastal Erosion, Hurricane, Nor'Easter
Timeline	0	5 years
Agency Champion	1	Administration
Other Community Objectives	1	
Total	11	
Priority (High/Med/Low)	High	