



## 9.22 Village of Northport

This section presents the jurisdictional annex for the Village of Northport. 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 Northport’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.

### 9.22.1 Hazard Mitigation Planning Team

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

**Table 9.22-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Chris Hughes, Chief of Police Address: 224 Main Street Northport NY 11768 Phone Number: 6312617500 Email: c.hughes@northportny.gov	Name/Title: Roland Buzard, Village Administrator Address: 224 Main Street Northport NY 11768 Phone Number: 6312617502 Email: rolandbuzard@northportny.gov
NFIP Floodplain Administrator	
Name/Title: Roland Buzard, Village Administrator Address: 224 Main Street Northport NY 11768= Phone Number: 6312617502 Email: rolandbuzard@northportny.gov	

### 9.22.2 Municipal Profile

On March 8, 1685, the Lieutenant Governor granted James Lloyd the royal patent for Horse Neck and formally renamed it the “Manor of Queen’s Village”. Thus, James Lloyd became Lord of the Manor, and Lloyd Neck was annexed to the Town of Oyster Bay, Queens County. It was not until 1885, after a year of much lobbying in the State Legislature, that Lloyd Neck became a part of the Town of Huntington and Suffolk County, thereby seceding from Oyster Bay, Queens County. In 1926, Lloyd Neck and West Neck became incorporated as a municipality which was named Lloyd Harbor.

The Village of Lloyd Harbor is located along the border of Suffolk County and Nassau County, NY; to the very north of the Town of Huntington.

The legislative body of a village is the Board of Trustees, which in our Village is composed of the Mayor and six Trustees.

According to the U.S. Census, the 2010 population for the Village of Northport was 7,401. The estimated 2017 population was 7,348, a 0.7 percent decrease from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 4.0 percent of the population is 5 years of age or younger and 22.0 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.



### 9.22.3 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 9.22-2 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 9.22-2. Recent and Expected Future Development**

Type of Development	2014		2015		2016		2017		2018		2019	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>												
	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>
Single Family	2	0	3	0	0	0	2	0	2	0	4	1
Multi-Family	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other (commercial, mixed-use, etc.)	-	-	-	-	-	-	-	-	1	0	-	-
<b>Total Permits Issued</b>	2	0	3	0	0	0	2	0	3	0	4	1
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				
<b>Recent Major Development and Infrastructure from 2015 to Present</b>												
None identified												
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>												
None anticipated												

SFHA Special Flood Hazard Area (1% flood event)

\* Only location-specific hazard zones or vulnerabilities identified.

### 9.22.4 Capability Assessment

The Village of Northport 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 9.22.4). The Village of Northport 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 Northport and where hazard mitigation has been integrated.

**Table 9.22-3. 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?
<b>Codes, Ordinances, &amp; Requirements</b>							
Building Code	Yes	Under the Building Construction Code – Chapter 106, the Village enforces NYS Uniform Fire Prevention & Bldg. Code, adopted in 2007 (Updated)	State, Local	Department of Building, Housing and Code Enforcement; Code Compliance Director.	Yes	Yes	-
Comment: All construction in the Village is regulated by the Department under Chapter 106, utilizing the State Uniform Fire Prevention and Building Code.							
Zoning Code	Yes	Zoning Code – Chapter 306	Local	Zoning Board of Appeals	No	Yes	-
Comment: This chapter is promulgated pursuant to authority granted to the Board of Trustees of the Incorporated Village of Northport, Town of Huntington, Suffolk County, New York, by the Village Law of the State of New York. It is intended to promote the public health, safety, morals and general welfare of said Village by regulating and restricting the height, number of stories and size of buildings and other structures, the percentage of lot that may be occupied, the size of yards 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. It is also designed to provide for the determination and variation of the regulations set forth therein by a Board of Zoning Appeals in harmony with its general purpose and intent and in accordance with general or specific rules and the Comprehensive Plan.							
Subdivisions	Yes	Subdivision Regulations – Chapter A312	Local	Planning Board	No	Yes	-
Comment: These regulations are established to provide for the orderly growth and coordinated development of the Village of Northport so as to assure the health, safety and general welfare of its people, with consideration being given to vehicular and pedestrian traffic; to adequate drainage of surface water, recognizing the topographic and geologic character and natural drainage and the groundwater table; to encourage the preservation of such natural features as trees, woodlands, streams and ponds; to provide adequate utility services; and with desirable standards of subdivision design, so as to provide suitable building sites for the land use permitted by Chapter 306, Zoning.							
Stormwater Management	Yes	Stormwater Management, Chapter 255	Local	Village Administrator is designated as the Stormwater Management Officer	Yes	Yes	-



	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?
<p>Comment: The Village is very pro-active in stormwater management and has completed EPA MS4 inspections. The purpose of this article is to provide for the health, safety, and general welfare of the citizens of the Village of Northport through the regulation of nonstormwater discharges to the Village's separate storm sewer system (MS4) to the maximum extent practicable as required by federal and state law. One of the methods chosen by the Board is to control the introduction of pollutants into the Village's separate storm sewer system (MS4) in order to comply with requirements of the SPDES General Permit for Municipal Separate Storm Sewer Systems. The declared objectives of this article are as follows:</p> <ul style="list-style-type: none"> <li>To meet the requirements of the SPDES General Permit for Stormwater Discharges from separate storm sewer system (MS4s), Permit No. GP-02-02, as amended or revised;</li> <li>To regulate the contribution of pollutants to the Village's separate storm sewer system (MS4), since such systems are not designed to accept, process or discharge nonstormwater wastes;</li> <li>To prohibit illicit connections, activities and discharges to the Village's separate storm sewer system (MS4);</li> <li>To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this article and all applicable laws;</li> <li>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 into the Village's separate storm sewer system (MS4).</li> </ul>							
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	Yes	Planning Board - Chapter 219	Local	Planning Board	No	Yes	-
Comment: The Planning Board is tasked with ensuring the harmonious, orderly, and efficient growth and development of the Village consistent with its unique heritage and character.							
Site Plan Review	Yes	Site Plan Review – Chapter 247	Local	Planning Board	No	Yes	-
Comment: These regulations are established to provide for the orderly growth and coordinated development of the business and commercial areas of the Village of Northport, pursuant to the provisions of Chapter 219, Planning Board, § 219-18, of the Code of the Village of Northport, so as to assure the health, safety and general welfare of its people, with consideration being given to vehicular and pedestrian traffic; to adequate drainage of surface water, recognizing the topographic and geologic character and natural drainage and the groundwater table; to encourage the preservation of such natural features as trees, woodlands, streams and ponds; to provide adequate utility services, and with desirable standards of subdivision design, so as to provide suitable building sites for the land use permitted by Chapter 306, Zoning.							
Environmental Protection	Yes	Environmental Quality Review – Chapter 138	State, Local	Board of Trustees and Planning Board	Yes	Yes	-
Comment: This chapter is adopted pursuant to the State Environmental Quality Review Act, Part 617 of Title 6 of the New York Codes, Rules and Regulations (NYCRR) and the statutory authority of the Environmental Conservation Law, § 8-0113. The purpose of this chapter is to implement the procedures and requirements of the State Environmental Quality Review Act.							
Flood Damage Prevention	Yes	Floodplain Management – Chapter 32	State, Local	The Building Inspector is the Floodplain Administrator	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Yes	-
<p>Comment: The purposes of this Chapter are:</p> <p>A. To protect human life and health;</p> <p>B. To minimize expenditure of public money for costly flood control projects;</p> <p>C. To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;</p> <p>D. To minimize prolonged business interruptions;</p> <p>E. To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, sewer lines, streets and</p>							



	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?	
bridges located in areas of special flood hazard; F. To help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas; G. To provide that developers are notified that property is in an area of special flood hazard; and, H. To ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.							
Municipal Separate Storm Sewer System (MS4)	Yes	Stormwater Management – Chapter 255	State, Local	Authorized Enforcement Official, Designated by the Mayor	Yes	Yes	-
Comment: Purpose -To regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge non-stormwater 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 law; 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 into the MS4. This article shall apply to all water entering the Village's separate storm sewer system (MS4) generated on developed and undeveloped lands in any zoning district, unless explicitly exempted by an authorized enforcement agency.							
Emergency Management	Yes	Police Department - Chapter 49	Local	Police Department	Yes	Yes	-
Comment: Establishes the Village Bay Constable position.							
Climate Change	No	-	-	-	Yes	-	-
Comment:							
Disaster Recovery Ordinance	No	-	-	-	No	-	-
Comment:							
Disaster Reconstruction Ordinance	No	-	-	-	No	-	-
Comment:							
Other	No	-	-	-	No	-	-
Comment:							
<b>Planning Documents</b>							
Comprehensive Plan	Yes	Master Plan of 1971, updated in 2014	Local	Planning Board, Board of Trustees	No	Yes	-
Comment:							
Capital Improvement Plan	Yes	Capital Improvement Plan	Local	Board of Trustees, Village Engineer	No	Yes	-
Comment: For Village improvements, roads, buildings, etc.							
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. In addition, the Village has a Solid Waste Ordinance - Chapter 252, to control the improper storage of garbage and refuse,							



	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?	
and indiscriminate littering is unsightly and a detriment to the preservation of public health, the protection of property and the safety and welfare of the residents of the Village of Northport. The prevention of unsightly littering is therefore regulated for the preservation of the public health, safety and welfare of the residents of the Village of Northport							
Floodplain or Watershed Plan	Yes	Floodplain Districts, Article VII of Ch.205 adopted 5-16-1983 & Marine Conservation – Chapter 124	Local	Building Inspector, Village Engineer, NYS-DEC	No	Yes	-
Comment: It is the intent of the Village Board by adopting Chapter 124 – Marine Conservation, to protect the citizens of the Village of Northport by providing for the protection, preservation, proper maintenance and use of its watercourses, coastal wetlands and tidal marshes in order to minimize their disturbance, prevent damage from erosion, turbidity or siltation, salt water intrusion, loss of fish, shellfish or other beneficial marine organisms, aquatic wildlife and vegetation and the destruction of the natural habitat thereof, the dangers of flood and storm tide damage and pollution and to otherwise protect the quality of watercourses, coastal wetlands, tidal waters, marshes, shorelines and watersheds from mismanagement.							
Stormwater Plan	Yes	Phase II Storm Water regulations, and amendments to Ch. 170 and amendments to Ch. 205 and Ch. 175 of Village Code, adopted in 12-2008	Local	Building Inspector, Village Engineer	No	Yes	-
Comment: The Village is very pro-active in stormwater management and completed an EPA MS4 inspection (late 2013).							
Open Space Plan	No	-	-	-	Yes	-	-
Comment:							
Urban Water Management Plan	No	-	-	-	No	-	-
Comment:							
Habitat Conservation Plan	Yes	Conservation Board	Local	Board of Trustees	No	Yes	-
Comment:							
Economic Development Plan	No	-	-	-	No	-	-
Comment:							
Shoreline Management Plan	Yes	Local Waterfront Revitalization Plan	Local	Village Administration	Yes	Yes	-
Comment: Adopted 10/6/1995							
Community Wildfire Protection Plan	Yes	Fire Prevention – Chapter 138	State, Local	Bureau of Fire Prevention	No	Yes	-
Comment: Although this Chapter is not exclusively to protect against Wildfires, it is the intention of the Village Trustees to establish regulations to safeguard life and property from the hazards of fire and explosion arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the use or occupancy of land or buildings, whether or not the land is improved or the building is occupied. The Village Trustees intend to enforce the provision of the Fire Code of New York State; the standards and regulations published by the National Fire Protection Association; and the provisions of this chapter to prevent the loss of life and the destruction of property.							



	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?	
Forest Management Plan	Yes	Tree – Chapter 277	Local	Code Compliance Director	No	Yes	-
<p>Comment: Since it has been established that trees stabilize the soil and control water pollution by preventing soil erosion and flooding, absorb air pollution, provide us with oxygen, yield advantageous microclimatic effects, have an intrinsic aesthetic quality, provide a natural barrier to noise and provide a natural habitat for the wildlife in our area, and that the removal of trees deprives us of these benefits and disrupts fundamental ecological systems in which they are integrally involved, it is, therefore, the purpose of this chapter to prevent the loss of trees within the boundaries of the Village of Northport by controlling their indiscriminate destruction by regulating removal or destruction of trees prior to and during construction and during occupancy. The alteration of the tree, designated tree or habitat is in accordance with customarily accepted ornamental procedures may be permitted as determined and approved by the Director of Code Compliance.</p>							
Transportation Plan	Yes	Transportation	Local	Suffolk County, Town of Huntington, Village of Northport	No	Yes	-
<p>Comment: Plan is in conjunction with the Town of Huntington and Suffolk County.</p>							
Agriculture Plan	No	-	-	-	Yes	-	-
<p>Comment:</p>							
Other (this could include a climate action plan, tourism plan, business development plan, etc.)	No	-	-	-	No	-	-
<p>Comment:</p>							
<b>Response/Recovery Planning</b>							
Comprehensive Emergency Management Plan	Yes	Suffolk County Comprehensive Emergency Management Plan (2018)	Suffolk County and Associated Jurisdictions	Suffolk FRES	Yes	Yes	-
<p>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.</p>							
Strategic Recovery Planning Report	No	-	-	-	No	-	-
<p>Comment:</p>							
Threat & Hazard Identification & Risk Assessment (THIRA)	No	-	-	-	Yes	-	-
<p>Comment:</p>							
Post-Disaster Recovery Plan	No	-	-	-	No	-	-
<p>Comment:</p>							
Continuity of Operations Plan	No	-	-	-	No	-	-
<p>Comment:</p>							
Public Health Plan	No	-	-	-	No	-	-
<p>Comment:</p>							



	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?	
						-	-
Other	No	-	-	-	No	-	-
Comment:							

**Table 9.22-4. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Response Yes/No; Provide further detail
Development Permits. If yes, what department?	Yes, Building Department
Permits are tracked by hazard area. For example, floodplain development permits.	No
Buildable land inventory If yes, please describe If no, please quantitatively describe the level of buildout in the jurisdiction.	The Village is built out

**Administrative and Technical Capability**

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

**Table 9.22-5. Administrative and Technical Capabilities**

Resources	Available? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Appointed by Village officials
Mitigation Planning Committee	Yes	Hazard mitigation team
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	Reverse 911, fire whistle
Maintenance programs to reduce risk	Yes	DPW
Mutual aid agreements	Yes	Chief of Police
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Outside Contractor (currently H2M)
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building Inspector and/or Village Engineer (Contracted out to Holzmescher)
Planners or engineers with an understanding of natural hazards	Yes	Village Engineer
Staff with expertise or training in benefit/cost analysis	No	Outside contractor as needed
Professionals trained in conducting damage assessments		Possible outside contractor
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	Village Engineer, outside contractor
Scientist familiar with natural hazards	No	-
NFIP Floodplain Administrator (FPA)	Yes	Village Administrator
Surveyor(s)	No	Outside contractor as needed
Emergency Manager	Yes	Police Chief





Resources	Available? (Yes or No)	Department/ Agency/Position
Grant writer(s)	No	H2M can provide contract support
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

### Fiscal Capability

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

**Table 9.22-6. 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	Yes (Sewer Fees)
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	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	Mitigation Grant Programs (Yes)

### Education and Outreach Capability

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

**Table 9.22-7. Education and Outreach Capabilities**

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	Yes, village board
Personnel skilled or trained in website development?	Yes, payroll clerk, treasurer department
Hazard mitigation information available on your website; if yes, describe	Yes, update website
Social media for hazard mitigation education and outreach; if yes, briefly describe.	Police department, Facebook and Instagram
Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe.	No
Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe.	Reverse 911, looking into Nextel
Warning systems for hazard events; if yes, briefly describe.	Fire whistle
Natural disaster/safety programs in place for schools; if yes, briefly describe.	The County completes safety programs in area schools



Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Other	None

### Community Classifications

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

**Table 9.22-8. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	NP	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	NP	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	N/A	N/A
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 9.22-9. Adaptive Capacity**

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low*
Coastal Erosion	Medium
Cyber Security	Medium
Disease Outbreak	Medium
Drought	Medium
Earthquake	Medium
Expansive Soils	Medium
Extreme Temperature	Medium
Flood	Medium
Groundwater Contamination	Medium
Hurricane	High
Infestation and Invasive Species	Medium
Nor’Easter	High
Severe Storm	High
Severe Winter Storm	High
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 of Northport relies on the County and State for climate change related information. The administrative is supportive of integrating climate change in policies or actions and is working towards more environmentally friendly processes.

### 9.22.5 National Flood Insurance Program

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

#### NFIP Floodplain Administrator (FPA)

Roland Buzard, Village Administrator

#### National Flood Insurance Program (NFIP) Summary

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

Table 9.22-10. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
Village of Northport	70	77	\$1,135,475	4

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

#### Flood Vulnerability Summary

Flood vulnerable properties include those on Beach Drive, Lloyd Harbor Road (East of Fiddler’s Green), Shore Road, and Mallard Drive. Flooding and erosion of low-lying areas, embankments and along the Village causeway occurs during times of extreme high tides. The Village’s Wastewater Treatment Plant is in a flood prone location. The Village lost one generator at the Plant during Superstorm Sandy and received FEMA funding to replace it. The Plant only has a single point of entry by land.

In order to make Substantial Damage determinations, the Village Administrator with the assistance of the Village’s Engineering firm would inspect each structure or asset to determine its functionality and to determine the degree of damage that has been inflicted.

The Village does not maintain a list of properties that have been damaged by flooding or property owners interested in mitigation. One property in the Village has been mitigated and there are no RiskMAP projects currently underway.

Northport has flood hazard maps on-hand that adequately address the flood hazard risk in the Village.

#### Resources

The Village Administrator serves as the Floodplain Administrator with the assistance of the Building Department. The Village does not have a certified floodplain manager on staff and does not feel it has access to resources to determine possible future flooding conditions from climate change. However, the Floodplain Administrator does not feel additional assistance or training is needed.



The Village provides plan review and analysis of possible flooding through flood mapping. Zoning determines if proposed development of an existing structure qualifies as a substantial improvement.

### Compliance History

There are no known barriers to running an effective NFIP program in the community. The Village of Northport does not have any outstanding NFIP compliance violations that need to be addressed. The Village's most recent Community Assistance Visit (CAV) took place on July 9, 2015.

### Regulatory

Chapter 32 of the Code of the Village of Northport serves as the Village's flood damage prevention ordinance. The Village's floodplain management program meets minimum requirements. The Village planning and zoning boards assist in floodplain management through determinations. Additional recommendations are made during plan review.

### Community Rating System

The Village of Northport does not participate in the Community Rating System and is not interested in joining the program at this time.

## 9.22.6 Integration with Other Planning Initiatives

As this HMP update is implemented, the Village of Northport 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

- **Zoning Board of Appeals:** As per the village code, there shall be a Board of Zoning Appeals consisting of five members, appointed and/or removed pursuant to the Village Law. No member of the Board of Trustees shall be eligible for membership on the Board of Zoning Appeals. There shall be a Chairman and Deputy Chairman appointed pursuant to law and for a term established by law. The Board of Zoning Appeals shall have all other powers as granted by law.
- **Board of Architectural and Historic Review:** The Board of Architectural and Historic Review a.k.a. (Archies) is charged with the protection and enhancement of the historic, architectural and cultural character of the commercial and institutional structures in the Village. The primary concerns are changes to the physical and visual environment, such as new construction, exterior remodeling, demolition, and signage. In the Historic Review areas of the Village the authority is extended to all structures. The Archies has an advisory role to the Planning Board, the Zoning Board of Appeals and the Board of Trustees insofar as issues coming before those boards affecting the review authority of the 'Archies'.

### Opportunities for Future Integration

- **Village-wide tree inventory and management program (2020-Northport-005):** The Village will work to establish a tree management program to prevent damages and power loss from falling trees and branches.



### 9.22.7 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.

The SCPD/SCSO provides for additional public safety and the SC FRES EOC staff provide warnings and support where needed. In addition, the Village maintains a Health Care Facility Evacuation & Transportation Plan and a Bus Evacuation Plan.

#### Evacuation Routes

The Village maintains and updates an Emergency Preparedness Registry that identifies residents who require assistance evacuating. Northport utilizes the County-wide notification system and the Public Website which includes information on evacuation routes, as well as shelter mapping.

#### Sheltering

Shelters for Village residents are established with the coordination of the ARC as the primary agency for ESF6. Suffolk County has a non-binding MOU with the ARC for all sheltering needs. Northport also has a Pet Friendly Shelter Plan.

The following table depicts designated shelter locations within the Village.

Shelter Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Northport FD	204 Main Street	50	No	Yes	Yes	EMT'S Available	N/A
Northport American Legion Post #694	7 Woodside Avenue	75	No	Yes	No	N/A	N/A
Ocean Avenue Elementary School	100 Ocean Avenue	250	No	Yes	No	N/A	N/A
William J Brosnan Administrative Building	158 Laurel Avenue	250	No	Yes	Yes	N/A	N/A

#### Temporary Housing

The Village of Northport has identified Steers Park as a location where temporary housing could be established after a disaster event. The Park has a large athletic field with power and water access.

#### Permanent Housing

The Village of Northport has not identified areas for the placement of permanent housing if homes are moved out of the floodplain.

### 9.22.8 Hazard Event History Specific to the Village of Northport





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 Northport’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 9.22-11 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 9.22-11. 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 Northport did not report any damages.
June 23, 2015	Thunderstorm Wind, Hail	No	A passing cold front triggered widespread severe thunderstorms across Long Island and isolated severe thunderstorms across the lower Hudson Valley and Queens	. Northport reported 0.88 inch hail. Peconic reported scattered trees and branches down with \$5K in property damage
February 13, 2017	High Wind	No	Low pressure passed to the east and rapidly deepened	Near Northport, a mesonet station measured a wind gust to 64 mph at 105 pm. Northwest Suffolk reported \$50K in property damage
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 Northport did not report any damages.
June 2, 2019	Lightning, Thunderstorm Wind	No	A cold front and a mid level disturbance triggered severe thunderstorms across Southeast New York.	Person was struck by lightning on Ocean Avenue in the village of Northport. The person had minor injuries. A house was struck by lightning on Dairy Lane in Mount Sinai resulting in \$6K in property damage.
June 30,	Severe Microburst	No	A strong upper level disturbance	. Multiple trees and wires



Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
2019	Thunderstorm Wind, Hail		triggered severe thunderstorms across Southeastern New York. One inch hail reported in Islip. 0.75 inch hail was reported in West Sayville	down from Northport to Commack resulting in \$7K in property damage.

Notes:

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

### 9.22.9 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 Northport. 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 9.22-12. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure	Complies with	Addressed by
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		1% Event		0.2% Event	NYS Standards	Proposed Action
		A-Zone	V-Zone			
Northport Village Stp*	Wastewater	X	-	X	No	2020-Northport-004

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 Northport. The Village of Northport 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 Northport indicated the following:

- The Village agreed with the calculated hazard rankings.

**Table 9.22-13. Hazard Ranking**

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

### Identified Issues

The municipality has identified the following vulnerabilities within their community:

- Power outages due to trees/limbs damaging power grid throughout Village. The Village has many private roads, which limits the Villages responsibility/authority to mitigate. LIPA does have vegetation management programs that address their rights-of-way on these private roads.
- Most homes on cesspool systems. Unknown as to what type and how much of a contaminant is introduced into ground.





Specific areas of concern based on resident response to the Suffolk County Hazard Mitigation Citizen survey include:

- Flooding takes place on Main Street and other roadways.

### 9.22.10 Mitigation Strategy and Prioritization

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

#### Past Mitigation Initiative Status

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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 9.22-15). 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.

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Table 9.22-14. 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	Level of Protection	
Northport Village-1	Raise the elevation of the Influent pit barrier wall at the WWTP: By raising the barrier walls to a higher elevation, above the current BFE, we will eliminate the flooding potential which will protect motors and eliminate potential destruction of the existing bacteria levels of the plant, which maintain the quality of the effluent and thereby continue to protect the water quality of Northport Harbor.	Flood	Village of Northport		Complete	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
Northport Village-2	Village Dock Upgrade: Strengthen the understructure of the existing Village Dock against future storms. Because of the age and current condition of the Village Dock we feel the dock needs to be upgraded and strengthened to prevent major structural damage from future catastrophic storms. By having a structural survey performed and incorporating those recommendations into the replacement and upgrading some of the existing dock superstructure it will enable the Village to rest at ease knowing the soundness of the dock is ready to weather anything mother nature can throw at it.	Coastal Erosion, Flood, Hurricane, Nor'Easter, Severe Storm	Village of Northport		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
Northport Village-3	Protect Scudder Park Peninsula from further erosion: Install a short seawall around the 1,500 ft. perimeter of the peninsula. Utilize an extended arm excavator to reclaim the sand from the harbor bed restoring the size of the peninsula and restoring the channel. The adjacent marina to the south of the property would also benefit by eliminating the constant sand and trees slipping into a small portion of their boat slip area making those slips more usable during periods of low tides and eliminating any future potential for friction with the	Hurricane, Nor'Easter, Severe Storm, Severe Winter Storm	Village of Northport		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.
	Village that might be caused by the continued erosion. The WWTP is not in immediate danger at this time but protecting the south building exposure which fronts the adjacent marina area would be proactive at this time. The seawall, properly engineered and installed, would prevent the land from continuing to slide into the harbor and by using the reclaimed sand to backfill the seawall and berm the outer boundaries of the peninsula, would also contain the stormwater within some of the parkland area releasing less contaminates into the harbor. The adjacent Marina could co-sponsor the work as they would, to some extent, benefit from the restoration of the Village owned property.							
Northport Village-4	Village-4 Installation of Ocean Avenue School generator: The Village would like to install an automated generation system for the antennae's and repeaters that are installed on the Ocean Avenue School. We recently procured a surplus standby generator that we would like some assistance with installing at the school along with the associated wiring and accessories to make the system automatic when these interruptions occur. By having an active automated generator system, the interruption of Police communications would be minimized and the Fire Department communication would be maximized at all times.	All Hazards	Village of Northport		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
Northport Village-5	Raise low electrical panels at WWTP: The panels would be removed and re-located at a higher elevation at least 1 foot above the BFE to limit or prevent any possibility of being submerged during a storm event. The conduits would have to be extended to the new panel locations along with new wiring pulled to each panel to replace the	Flood, Hurricane	Village of Northport		In 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.
	existing wiring feeding each of the motors, functions or subpanels that they control. By relocating these panels at higher elevations we would eliminate the possibility of any potential water damage to the panels, controls or respective wiring therefore eliminating any compromise or shutdown of the sewer treatment systems at the plant. The possibility of releasing any improperly treated sewage into Northport Harbor would also be minimized.							
Northport Village-6	Develop a village-wide tree inventory and management, removal program, and implement as funding becomes available.	Hurricane, Nor'Easter, Severe Storm, Severe Winter Storm	Village of Northport		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
Northport Village-7	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	PSEG, County		Ongoing Capability	Cost		1. Discontinue 2. 3. Ongoing capability
						Level of Protection		
						Damages Avoided; Evidence of Success		



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Village of Northport 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:

- None identified

### Proposed Hazard Mitigation Initiatives for the HMP Update

The Village of Northport 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 9.22-15 summarizes the comprehensive-range of specific mitigation initiatives the Village of Northport 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 9.22-16 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 9.22-15. 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-Northport-001	Village Dock Upgrade	2, 8	Coastal Erosion, Flood, Hurricane, Nor'Easter, Severe Storm	<p><b>Problem:</b> Because of the age and current condition of the Village Dock, the dock needs to be upgraded and strengthened to prevent major structural damage from future catastrophic storms.</p> <p><b>Solution:</b> Strengthen the understructure of the existing Village Dock against future storms. By having a structural survey performed and incorporating those recommendations into the replacement and upgrading some of the existing dock superstructure it will enable the Village to rest at ease knowing the soundness of the dock is ready to weather anything mother nature can throw at it.</p>	No	May require additional permitting	Within 1 year	Village Administration	\$75,000	Protects facility from future damages	HMGP, PDM, BRIC	High	SIP	PP
2020-Northport-002	Scudder Park Peninsula Erosion	2, 3, 5, 8	Coastal Erosion	<p><b>Problem:</b> Scudder Park Peninsula has experienced erosion. Erosion has moved sand into the harbor, reducing the channel. The adjacent marina is impacted by constant sand and trees slipping into a small portion of their boat slip area making those slips more usable during periods of low tides. The WWTP is not in immediate danger at this time but protecting the south building exposure which fronts the adjacent marina area would be proactive at this time.</p> <p><b>Solution:</b> Install a short seawall around the 1,500 ft. perimeter of the peninsula. Utilize an extended arm excavator to reclaim the sand from the harbor bed restoring the size of the peninsula and restoring the channel. The adjacent marina to the south of the property would also benefit by eliminating the constant</p>	Yes	Permitting	Within 1 year	Village Administration, USACE, NYS DEC, Private marina	\$313,320	Reduction in erosion damages. Recent Damages have totaled \$100,000	USACE, HMGP, BRIC	High	NSP, SIP	NR, PP



Table 9.22-15. 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
				sand and trees slipping into a small portion of their boat slip area making those slips more usable during periods of low tides and eliminating any future potential for friction with the Village that might be caused by the continued erosion. The seawall, properly engineered and installed, would prevent the land from continuing to slide into the harbor and by using the reclaimed sand to backfill the seawall and berm the outer boundaries of the peninsula, would also contain the stormwater within some of the parkland area releasing less contaminants into the harbor. The adjacent Marina could co-sponsor the work as they would, to some extent, benefit from the restoration of the Village owned property.										
2020-Northport-003	Ocean Avenue School generator	1, 2, 7	All Hazards	<p><b>Problem:</b> The Village needs an active automated generator system, to prevent the interruption of Police communications and the Fire Department communication.</p> <p><b>Solution:</b> The Village would like to install an automated generation system for the antennae's and repeaters that are installed on the Ocean Avenue School. We recently procured a surplus standby generator that we would like some assistance with installing at the school along with the associated wiring and accessories to make the system automatic when these interruptions occur.</p>	Yes	None	1 year	OEM, Ocean Avenue School	\$20,000	Communications protected and generator automated.	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	High	SIP	PP
2020-Northport-004	Raise low electrical panels at	2, 8	Flood, Hurricane, Nor'Easter	<p><b>Problem:</b> The WWTP is exposed to flooding. Flooding could result in loss of power and potential spills of</p>	Yes	None	1 year	Engineer, Facility operator	\$30,000	Ensures continuity of	FEMA HMGP and PDM,	High	SIP	PP





Table 9.22-15. 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
	WWTP			sewage. <b>Solution:</b> Raise low electrical panels at WWTP: The panels would be removed and re-located above the 500-year flood level to limit or prevent any possibility of being submerged during a storm event. The conduits would have to be extended to the new panel locations along with new wiring pulled to each panel to replace the existing wiring feeding each of the motors, functions or subpanels that they control. By relocating these panels at higher elevations we would eliminate the possibility of any potential water damage to the panels, controls or respective wiring therefore eliminating any compromise or shutdown of the sewer treatment systems at the plant.						operations, flood damage reduced, possibility of releasing any improperly treated sewage into Northport Harbor would also be minimized.	BRIC, USDA Community Facilities Grant Program, Village Budget			
2020-Northport-005	Coastal Erosion Monitoring Program	1, 2, 3, 5	Coastal Erosion, Hurricane, Nor'Easter	<b>Problem:</b> Beach erosion is a recurring issue on the Village's shorelines. <b>Solution:</b> The Village will participate in the Countywide coastal erosion monitoring program being established by the Soil and Water Conservation District to monitor the beaches for shoreline retreat and volume loss. After large erosion events, the Village will use this data to apply for funding support.	No	None	1 year, Ongoing once established	SCWA, Village Administration support	No cost to Village	Data available to support grants, reporting, and decision making.	County SCWA	High	LPR	PR
2020-Northport-006	Move Away from Cesspool Systems		Groundwater Contamination	<b>Problem:</b> Most homes in the Village are on cesspool systems. It is unknown as to what type and how much of a contaminant is introduced into ground. <b>Solution:</b> Mandate that homes operate on septic system instead of cesspools.	No	None	Within 2 years	Administration	Staff time	Reduction in groundwater contamination	Village budget	High	LPR	PR





Table 9.22-15. 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-Northport-007	Repetitive Loss Properties	1, 2	Flood, Severe Storm	<p><b>Problem:</b> Frequent flooding events have resulted in damages to residential properties in the Woodbine Avenue, Beach Avenue, and Bay View Avenue neighborhoods. These properties have been repetitively flooded as documented by paid NFIP claims.</p> <p><b>Solution:</b> 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

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:

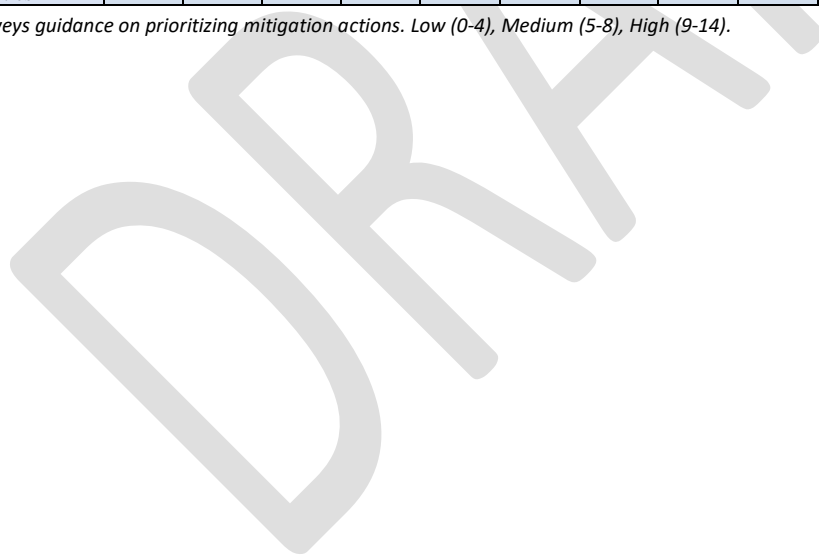
- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management 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 9.22-16. 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 Objectives	Total	High / Medium / Low
2020-Northport-001	Village Dock Upgrade	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High
2020-Northport-002	Scudder Park Peninsula Erosion	1	1	1	0	1	0	0	1	1	1	0	0	1	1	9	High
2020-Northport-003	Ocean Avenue School generator	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2020-Northport-004	Raise low electrical panels at WWTP	0	1	1	1	1	1	0	1	1	1	1	1	1	1	12	High
2020-Northport-005	Coastal Erosion Monitoring Program	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2020-Northport-006	Move Away from Cesspool Systems	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2020-Northport-007	Repetitive Loss Properties	1	1	1	1	1	1	0	1	0	0	1	0	1	1	10	High

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





### 9.22.11 Proposed Mitigation Action Types

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

**Table 9.22-17. Analysis of Mitigation Actions by Hazard and Category**

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Coastal Erosion	2020-Northport-005	2020-Northport-001, 2020-Northport-002, 2020-Northport-003	2020-Northport-002		2020-Northport-005	2020-Northport-001, 2020-Northport-002, 2020-Northport-003		2020-Northport-002		2020-Northport-003
Cyber Security		2020-Northport-003				2020-Northport-003				2020-Northport-003
Disease Outbreak		2020-Northport-003				2020-Northport-003				2020-Northport-003
Drought		2020-Northport-003				2020-Northport-003				2020-Northport-003
Earthquake		2020-Northport-003				2020-Northport-003				2020-Northport-003
Expansive Soils		2020-Northport-003				2020-Northport-003				2020-Northport-003
Extreme Temperature		2020-Northport-003				2020-Northport-003				2020-Northport-003
Flood		2020-Northport-001, 2020-Northport-003, 2020-Northport-004, 2020-Northport-007				2020-Northport-001, 2020-Northport-003, 2020-Northport-004, 2020-Northport-007				2020-Northport-003
Groundwater Contamination	2020-Northport-006	2020-Northport-003			2020-Northport-006	2020-Northport-003				2020-Northport-003
Hurricane	2020-Northport-	2020-Northport-			2020-Northport-	2020-Northport-				2020-Northport-



Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
	005	001, 2020- Northport- 003, 2020- Northport- 004			005	001, 2020- Northport- 003, 2020- Northport- 004				003
Infestation and Invasive Species		2020- Northport- 003				2020- Northport- 003				2020- Northport- 003
Nor'Easter	2020- Northport- 005	2020- Northport- 001, 2020- Northport- 003, 2020- Northport- 004			2020- Northport- 005	2020- Northport- 001, 2020- Northport- 003, 2020- Northport- 004				2020- Northport- 003
Severe Storm		2020- Northport- 001, 2020- Northport- 003, 2020- Northport- 007				2020- Northport- 001, 2020- Northport- 003, 2020- Northport- 007				2020- Northport- 003
Severe Winter Storm		2020- Northport- 003				2020- Northport- 003				2020- Northport- 003
Shallow Groundwater		2020- Northport- 003				2020- Northport- 003				2020- Northport- 003
Wildfire		2020- Northport- 003				2020- Northport- 003				2020- Northport- 003

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

### 9.22.12 Staff and Local Stakeholder Involvement in Annex Development

The Village of Northport 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: Police Department and Village Administrator. The Chief of Police 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. 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 9.22-18. Contributors to the Annex**

Name	Title/Entity	Method of Participation
Chris Hughes	Chief of Police	Primary POC, attended plan participant meetings, provided impact information, contributed to mitigation strategy.
Roland Buzard	Village Administrator	Secondary POC, NFIP Floodplain Administrator

**9.22.13 Hazard Area Extent and Location**

Hazard area extent and location maps have been generated for the Village of Northport 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 Northport has significant exposure.

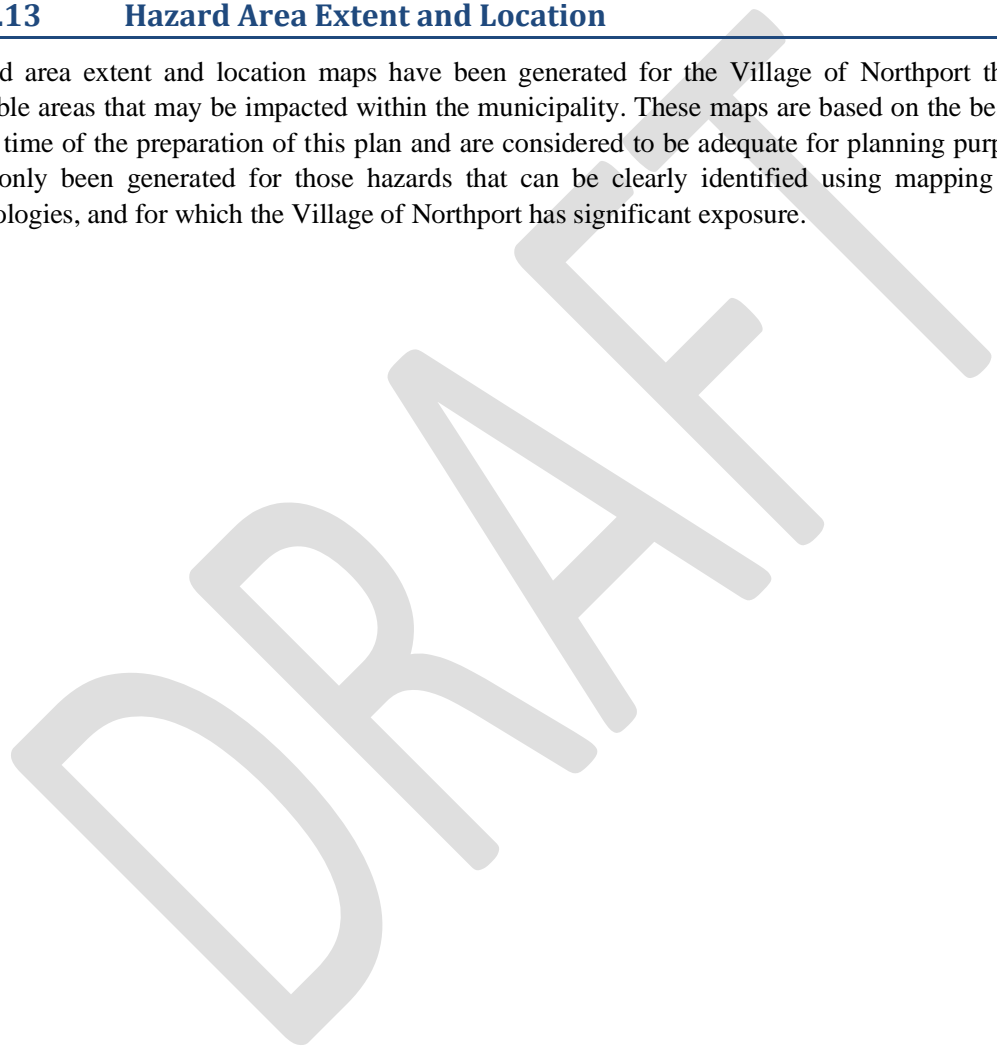




Figure 9.22-1. Village of Northport Hazard Area Extent and Location Map 1

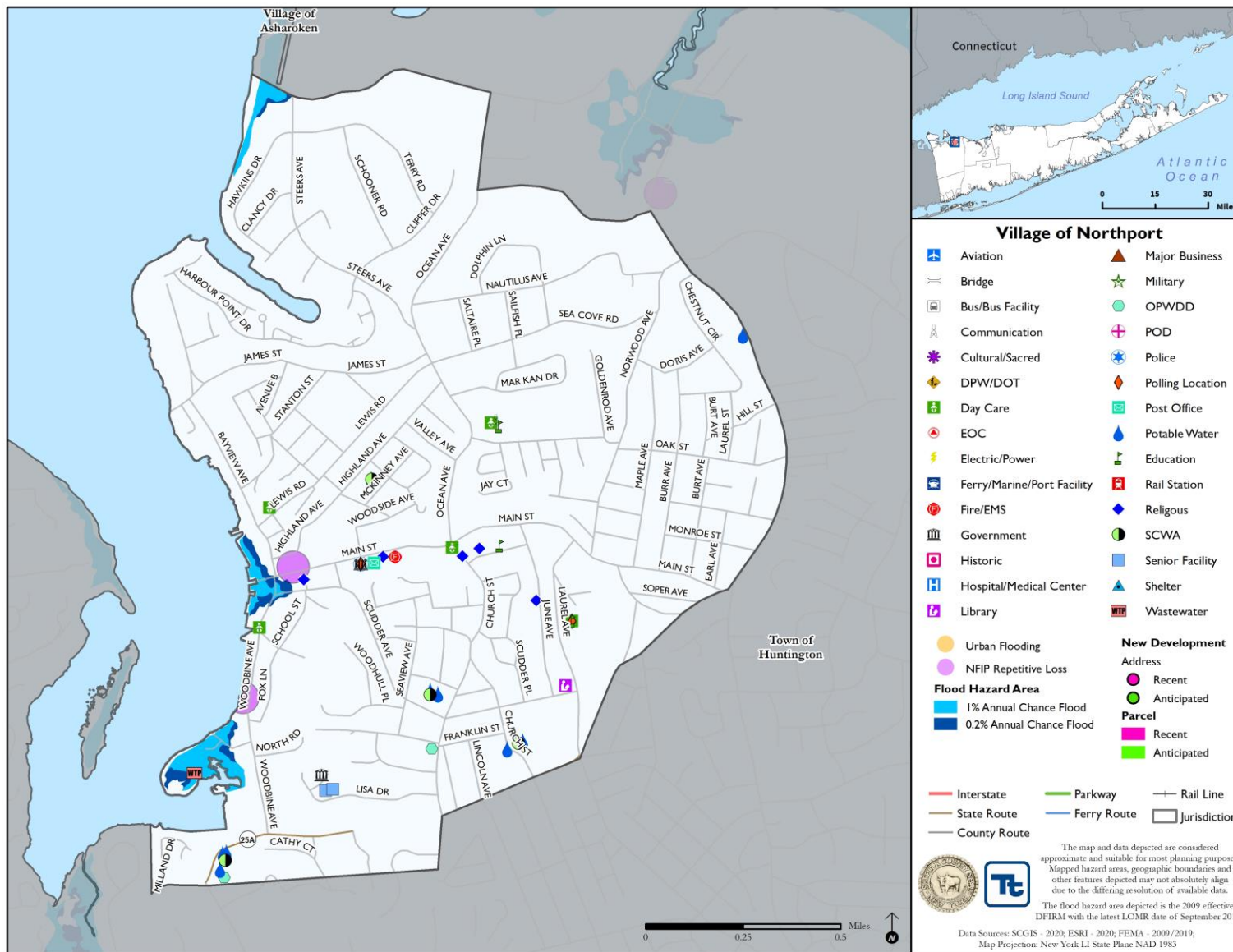




Figure 9.22-2. Village of Northport Hazard Area Extent and Location Map 2

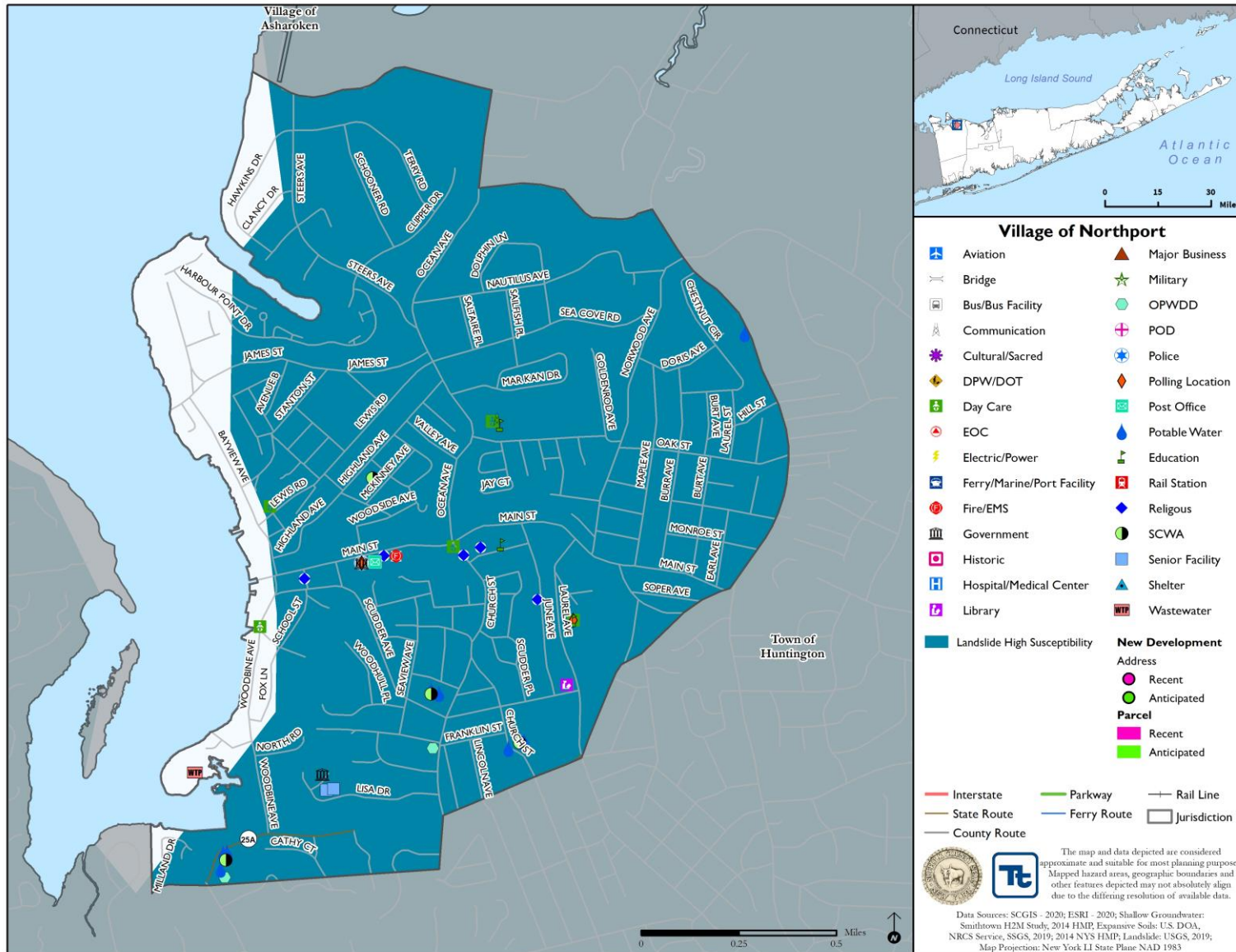






Figure 9.22-3. Village of Northport Hazard Area Extent and Location Map 3

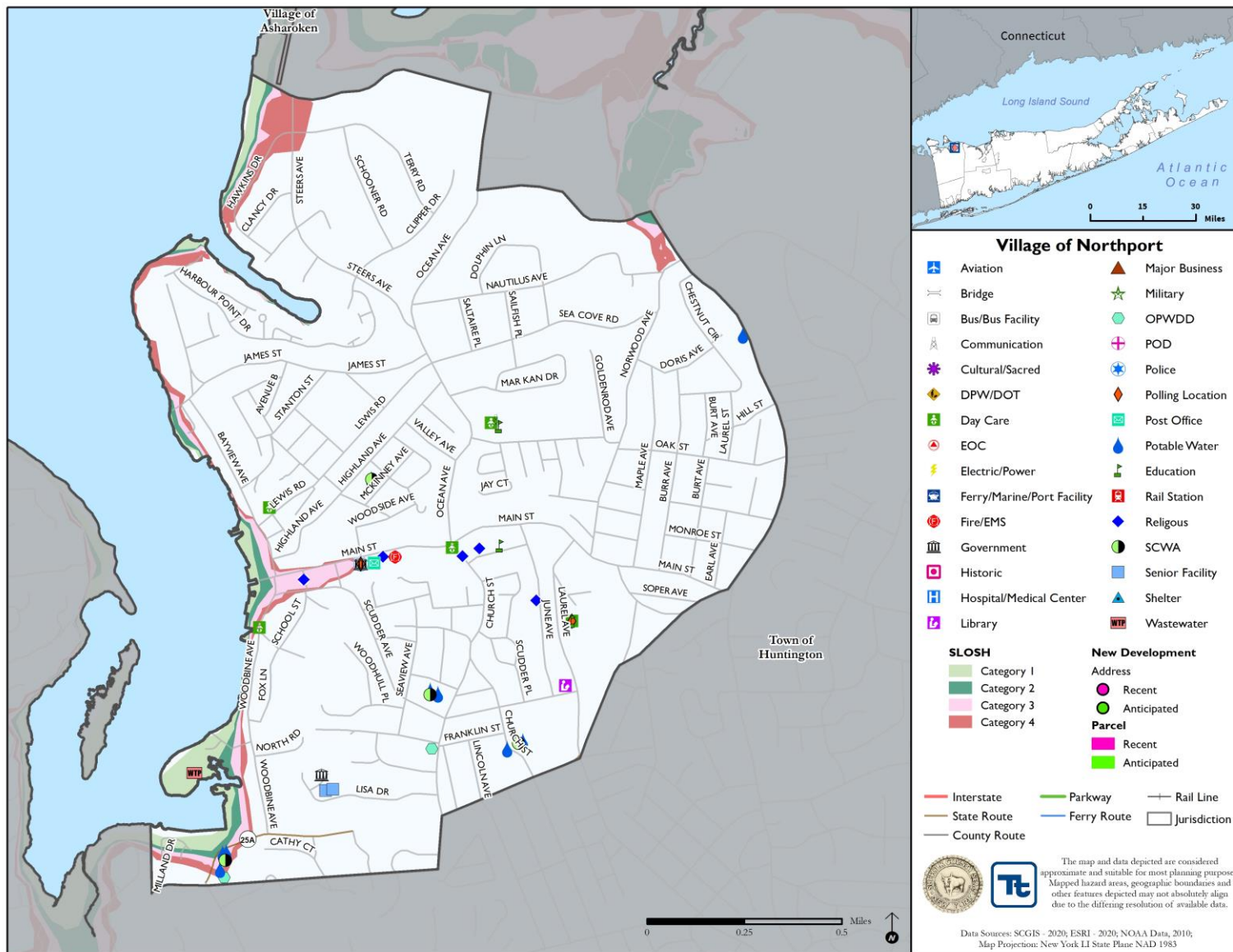




Figure 9.22-4. Village of Northport Hazard Area Extent and Location Map 4

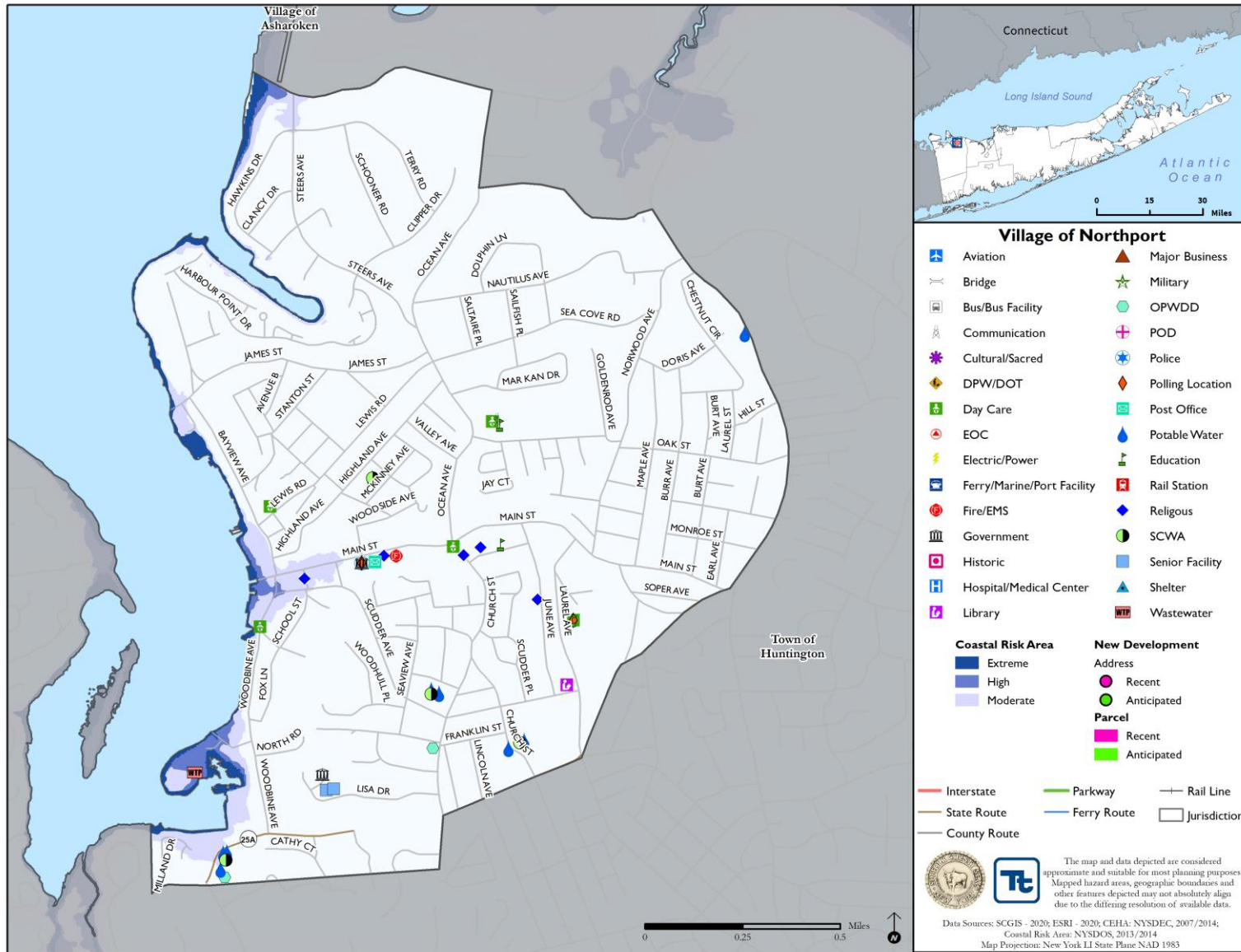
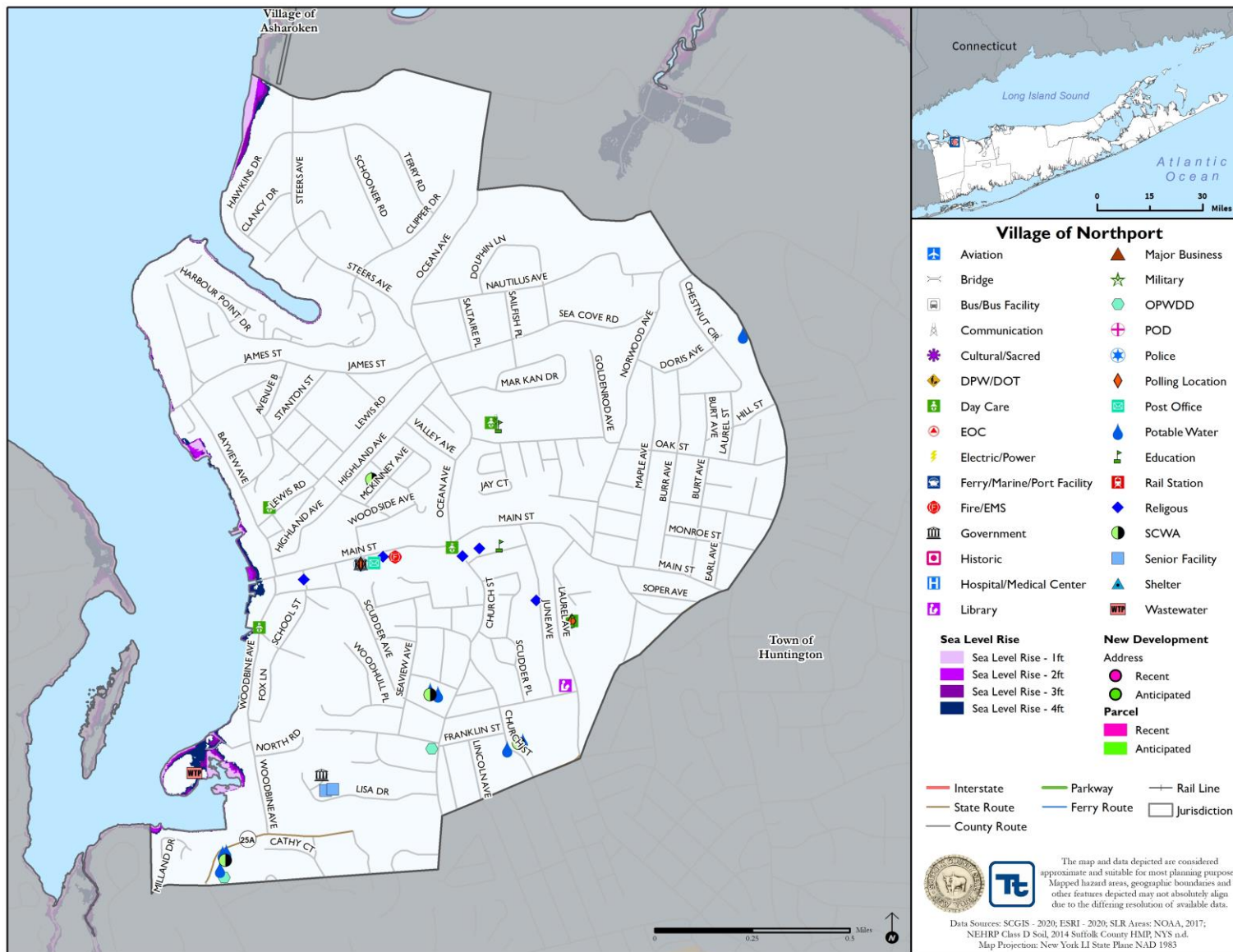




Figure 9.22-5. Village of Northport Hazard Area Extent and Location Map 5





Action Worksheet			
<b>Project Name:</b>	Scudder Park Peninsula Erosion		
<b>Project Number:</b>	2020-Northport-002		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Coastal Erosion		
<b>Description of the Problem:</b>	Scudder Park Peninsula has experienced erosion. Erosion has moved sand into the harbor, reducing the channel. The adjacent marina is impacted by constant sand and trees slipping into a small portion of their boat slip area making those slips more usable during periods of low tides. The WWTP is not in immediate danger at this time but protecting the south building exposure which fronts the adjacent marina area would be proactive at this time.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Install a short seawall around the 1,500 ft. perimeter of the peninsula. Utilize an extended arm excavator to reclaim the sand from the harbor bed restoring the size of the peninsula and restoring the channel. The adjacent marina to the south of the property would also benefit by eliminating the constant sand and trees slipping into a small portion of their boat slip area making those slips more usable during periods of low tides and eliminating any future potential for friction with the Village that might be caused by the continued erosion. The seawall, properly engineered and installed, would prevent the land from continuing to slide into the harbor and by using the reclaimed sand to backfill the seawall and berm the outer boundaries of the peninsula, would also contain the stormwater within some of the parkland area releasing less contaminants into the harbor. The adjacent Marina could co-sponsor the work as they would, to some extent, benefit from the restoration of the Village owned property.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input checked="" type="checkbox"/>	No <input 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)			
<b>Level of Protection:</b>	Seawall installed to prevent erosion	<b>Estimated Benefits (losses avoided):</b>	Reduction in erosion damages. Recent Damages have totaled \$100,000
<b>Useful Life:</b>	50 years	<b>Goals Met:</b>	2, 3, 5, 8
<b>Estimated Cost:</b>	\$313,320	<b>Mitigation Action Type:</b>	Natural Systems Protection, Structure and Infrastructure Project
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 1 year
<b>Estimated Time Required for Project Implementation:</b>	2 years	<b>Potential Funding Sources:</b>	USACE, HMGP, BRIC
<b>Responsible Organization:</b>	Village Administration, USACE, NYS DEC, Private marina	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Dredge channel with no protections put in place	\$75,000	Erosion still likely to occur
	Remove peninsula	\$1 million	Loss of park, costly
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	Scudder Park Peninsula Erosion	
<b>Project Number:</b>	2020-Northport-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect navigation channel
Property Protection	1	Protects park, marina, and WWTP from erosional damages
Cost-Effectiveness	1	
Technical	0	
Political	1	Project has public support
Legal	0	Will require permitting
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	Protects park
Administrative	1	
Multi-Hazard	0	Coastal Erosion
Timeline	0	
Agency Champion	1	Village Administration, USACE, NYS DEC, Private marina
Other Community Objectives	1	
<b>Total</b>	9	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Ocean Avenue School generator		
<b>Project Number:</b>	2020-Northport-003		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	All hazards		
<b>Description of the Problem:</b>	The Village needs an active automated generator system, to prevent the interruption of Police communications and the Fire Department communication.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	The Village will research and install an automated generation system for the antennae's and repeaters that are installed on the Ocean Avenue School. The Village recently procured a surplus standby generator that can be installed at the school along with the associated wiring and accessories to make the system automatic when these interruptions occur. A contractor will be hired to complete installation.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	Communications protected and generator automated.
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	1, 2, 7
<b>Estimated Cost:</b>	\$20,000	<b>Mitigation Action Type:</b>	Structure and Infrastructure Projects (SIP)
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Immediately after funding received
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget
<b>Responsible Organization:</b>	OEM, Ocean Avenue School	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Install solar panels	\$100,000	Weather dependent; need large amount of space for installation; expensive if repairs needed
	Install wind turbine	\$100,000	Weather dependent; poses a threat to wildlife; expensive repairs if needed
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Ocean Avenue School generator	
<b>Project Number:</b>	2020-Northport-003	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
<b>Life Safety</b>	1	Project will protect critical services of communications system
<b>Property Protection</b>	1	Project will protect communications system from power loss.
<b>Cost-Effectiveness</b>	1	
<b>Technical</b>	1	
<b>Political</b>	1	
<b>Legal</b>	1	The Village has the legal authority to complete the project.
<b>Fiscal</b>	0	Project requires funding support.
<b>Environmental</b>	1	
<b>Social</b>	1	
<b>Administrative</b>	1	
<b>Multi-Hazard</b>	1	All hazards
<b>Timeline</b>	1	1 year
<b>Agency Champion</b>	1	OEM, Ocean Avenue School
<b>Other Community Objectives</b>	1	
<b>Total</b>	13	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Raise low electrical panels at WWTP		
<b>Project Number:</b>	2020-Northport-004		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Flood, Hurricane, Nor'Easter		
<b>Description of the Problem:</b>	The WWTP is exposed to flooding. Flooding could result in loss of power and potential spills of sewage.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Raise low electrical panels at WWTP: The panels would be removed and re-located above the 500-year flood level to limit or prevent any possibility of being submerged during a storm event. The conduits would have to be extended to the new panel locations along with new wiring pulled to each panel to replace the existing wiring feeding each of the motors, functions or subpanels that they control. By relocating these panels at higher elevations we would eliminate the possibility of any potential water damage to the panels, controls or respective wiring therefore eliminating any compromise or shutdown of the sewer treatment systems at the plant.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	500-year flood level	<b>Estimated Benefits (losses avoided):</b>	Ensures continuity of operations, flood damage reduced, possibility of releasing any improperly treated sewage into Northport Harbor would also be minimized.
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	2, 8
<b>Estimated Cost:</b>	\$30,000	<b>Mitigation Action Type:</b>	Structure and Infrastructure Projects (SIP)
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP and PDM, BRIC, USDA Community Facilities Grant Program, Village Budget
<b>Responsible Organization:</b>	Engineer, Facility operator	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Relocate wastewater plant	N/A	Not possible
	Build levee around facility	N/A	No space for full levee system
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			





Action Worksheet		
<b>Project Name:</b>	Raise low electrical panels at WWTP	
<b>Project Number:</b>	2020-Northport-004	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical services of Wastewater Treatment Plant
Property Protection	1	Project will protect Wastewater Treatment Plant from flood damage.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The Village has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	Possibility of releasing any improperly treated sewage into Northport Harbor would be minimized.
Social	1	
Administrative	1	
Multi-Hazard	1	Flood
Timeline	1	1 year
Agency Champion	1	Engineer, Facility operator
Other Community Objectives	1	Protection of critical services
<b>Total</b>	13	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Repetitive Loss Properties		
<b>Project Number:</b>	2020-Northport-007		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	Frequent flooding events have resulted in damages to residential properties in the Woodbine Avenue, Beach Avenue, and Bay View Avenue neighborhoods. These properties have been repetitively flooded as documented by paid NFIP claims.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	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).		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Level of Protection:</b>	1% annual chance flood event + freeboard ( <i>in accordance with flood ordinance</i> )	<b>Estimated Benefits (losses avoided):</b>	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
<b>Useful Life:</b>	Acquisition: Lifetime Elevation: 30 years (residential)	<b>Goals Met:</b>	1, 2
<b>Estimated Cost:</b>	\$3Million	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	6-12 months
<b>Estimated Time Required for Project Implementation:</b>	Three years	<b>Potential Funding Sources:</b>	FEMA HMGP and FMA, local cost share by residents
<b>Responsible Organization:</b>	NFIP Floodplain Administrator, supported by homeowners	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	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)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Repetitive Loss Properties	
<b>Project Number:</b>	2020-Northport-007	
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	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	