



9.3 Village of Amityville

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

9.3.1 Hazard Mitigation Planning Team

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

Table 9.3-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Dennis Siry, Mayor Address: 21 Ireland Pl, Amityville, NY 11701 Phone Number: 631-264-2810 Email: mayorsiry@amityville.com	Name/Title: Bryan Donato, Building Inspector Address: 21 Ireland Pl, Amityville, NY 11701 Phone Number: 631-691-1909 Email: bdonato@amityville.com
NFIP Floodplain Administrator	
Name/Title: Bryan Donato, Building Inspector Address: 21 Ireland Pl, Amityville, NY 11701 Phone Number: 631-691-1909 Email: bdonato@amityville.com	

9.3.2 Municipal Profile

The Village of Amityville’s website describes the Villages history as follows:

First settled in the 1600's, it was not until March 3rd, 1894 that it became the Incorporated Village of Amityville. In its infancy, the "friendly bay village", as it has come to be known, was primarily a farming community that had strong ties to the fishing and boating industries. Salt hay was an important agri-product that was grown to feed livestock. But the farms and marine industries slowly gave way to the needs of summer visitors in search of comforts afforded by the cool breezes and beaches of the Great South Bay. Hotels, long since gone, supplanted the farms and marine industries that were located along the waterfront. The hordes of summer visitors that discovered early Amityville included stage and theater personalities, prominent members of society including businessmen, artists, writers and the so-called "rich and famous" Manhattanites.

Although within the geographical boundaries of the Town of Babylon, residents of the Village enjoy the benefits of a local police force, fire department and public works department. Residents are taxed by the Village for these services and by the Town and County for school taxes and other public services, such as trash removal. The Village is part of the Amityville Public School District.

Within the Village boundaries, there are numerous parks and public spaces for all to enjoy. They include:

- Village Triangle and Gazebo - on Broadway between Sunrise Highway and Merrick road
- Avon Lake - landscaped area at East and West Lake Drives
- Delano Nature Trail - Union Avenue, East of Broadway
- Edmund W. Pearsall Park - natural rest area on Bayview Avenue



- James A. Caples Memorial Park - Southern end of Bayview Avenue, with a playground, lighted softball fields, boat ramp
- Peterkin Park - Oak Street, with playground, pond and footpath
- 9/11 Memorial Park - center of the Village on Broadway
- Nautical Park - Southeast corner of Merrick Road and Ocean Avenue, waterside park with benches, paths and band-shell
- Maxine Postal Memorial Park - Unqua Place on the Great South Bay, in memory of Legislator Maxine Postal, 15th Leg. District
- Amityville Beach Complex - Southern end of Bayview Avenue, with concession stand, beach and fishing pier
- Police and Firefighters Memorial Park – Southside of Oak Street between Ketcham and Burch Avenues

The Village of Amityville is located on the south shore and western border of Suffolk County. The Village is bordered on the south by the Atlantic Ocean. An 8.5-mile-long inhabited barrier island that prevents direct ocean wave impact along Amityville’s South Shore lies between the Atlantic Ocean and the Great South Bay. This island, known as Jones Island, was created by the Long Island State Parks Commission from several smaller islands in the early 1900s. The waterfront area of the village is highly developed, primarily with residences, as depicted in the aerial photographs below, showing portions of our frontage along the Great South Bay.



The Village of Amityville contains 9,523 people in 2.5 square miles. The Village has 30.4 miles of roads. Electric service is provided by the Long Island Power Authority (LIPA); water service is supplied by the Suffolk County Water Authority. The entire village is served by SCDPW Sewer District 3, with lift stations (one in the Village and one in Town of Babylon) serving as the only mechanisms to carry sewage upgrade to the treatment plant in West Babylon. The Village is characterized by many areas of high groundwater, and is served by public water. Most of the Village has predominantly sandy soil.



The Village of Amityville is known for a picturesque downtown, Victorian architecture, and its location along the water¹. Merrick Road is an important commercial corridor. Many commercial businesses in the village relate to the maritime industry- boat repair shops, boat/yacht clubs, etc. Following are pictures from the Village of Amityville’s website illustrating the quaint seaside village:



Credit: Billy Lozowski

The Village’s population has increased 4% over the past 20 years, as most land in the village was densely developed by 1975. Most growth in population since that time has occurred as a result of undocumented peoples residing without local authorization, yet, under the New York State home rule system, the Village is responsible for this population in case of natural disaster. Amityville Village maintains its own professional police force and relies on the Amityville Village volunteer fire department for Fire Service and EMS. The Villages have boards which will be responsible for the adoption of the Hazard Mitigation Plan.

Though FEMA may typically consider life and safety issues beyond the jurisdiction of most hazard mitigation plans, the mitigation planning initiative that is most important to the life and safety of our residents could never be accounted for within any other FEMA or DHS response or preparedness plan. Not to stray into the territory of response plans, even with the best possible evacuation plan, and an unlimited amount of personnel to carry it out, the laws of physics still prevail. It is certainly possible, and even probable, based on documented weather patterns, that amount of time to evacuate will far exceed the amount of notice of a significant event. Thus, that is why the Village of Amityville turns to mitigation efforts, because if we do not reduce the exposure and vulnerability of our mainland population and infrastructure by securing our barrier islands, we will sustain unprecedented loss of life, destruction of essential infrastructure, and devastation of our economy from which it will take many years to recover.

The Village has a board which will be responsible for the adoption of this Hazard Mitigation Plan. The Village Board consists of an elected Mayor and 4 elected Trustees.

¹ New York Rising Community Reconstruction Program. “Conceptual Plan – Village of Amityville/Copiague”. October 2013.
http://stormrecovery.ny.gov/sites/default/files/crp/community/documents/concept_plan_amityville-copiague_1106131.pdf



According to the U.S. Census, the 2010 population for the Village of Amityville was 9,523. The estimated 2017 population was 9,452, a 0.7 percent decrease from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 6.4 percent of the population is 5 years of age or younger and 19.6 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.

9.3.3 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 9.3-2 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 9.3-2. 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	0	0	0	0	0	0	3	1	3	1	4	2
Multi-Family	0	0	0	0	0	0	0	0	0	0	1	0
Other (commercial, mixed-use, etc.)	0	0	0	0	0	0	0	0	1	0	0	0
Total Permits Issued	0	0	0	0	0	0	3	1	4	1	5	2
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												
Village by the Bay	Residential	115units/1bldg		235 County Line Rd. 101-3-3-26.2		NEHRP Class D, SLOSH 4		Building Framed, No interior work yet.				
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years												
Avalon Bay	Residential	350 units/Multiple Structures		366 Broadway 101-2-2-3		NEHRP Class D, SLOSH 4		Awaiting Planning Board Approval				

SFHA Special Flood Hazard Area (1% flood event)

* Only location-specific hazard zones or vulnerabilities identified.

9.3.4 Capability Assessment

The Village of Amityville 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 9.3.4). The Village of Amityville 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 Amityville and where hazard mitigation has been integrated.

Table 9.3-3. 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	Chapter 49	Local	Building Department/Code Enforcement officer	Yes	Yes	-
Comment: This article provides for the administration and enforcement of the New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code) in the Village.							
Zoning Code	Yes	Chapter 183 and 4	Local and County	Village Planning Board/Zoning Board of Appeals	No	Yes	-
Comment: Suffolk County Planning Commission has review authority on certain actions. If they disapprove an action, Village Zoning Board must approve with a greater majority & present findings.							
Subdivisions	Yes	Chapter 4	Local and County	Village Board/Village Zoning Board/Village Planning Board	No	Yes	-
What other plans or codes refer to the subdivision code/ordinance?							



	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?	
Suffolk County Planning Commission has review authority on certain actions. If they disapprove an action, Village Board/ Village Zoning Board/ Village Planning Board must approve with a greater majority & present findings. NYS Subdivision laws provide a general framework, but allow room for local ordinances and interpretation.							
Stormwater Management	Yes	Chapter 150, Stormwater Management and Erosion and Sediment Control	Local	Building Department/Code Enforcement officer	Yes	Yes	-
Comment: No application for approval of land development activity shall be reviewed until the Stormwater Management Officer has received a stormwater pollution prevention plan (SWPPP) prepared in accordance with the specifications in Chapter 150. The Plan shall include but is not limited to: A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a pollutant source in stormwater runoff; Temporary and permanent structural and vegetative measures to be used for soil stabilization, runoff control and sediment control for each stage of the project from initial land clearing and grubbing to project closeout; And a Maintenance schedule to ensure continuous and effective operation of the erosion and sediment control practice;							
Post-Disaster Recovery	Yes	NYRCRP process	Local	Village Board	No	Yes	-
Comment: Current and ongoing NYRCRP process							
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	-	-	-	No	-	-
Comment:							
Site Plan Review	Yes	Chapter 24, Article II	Local	Village Planning Board	No	Yes	-
Comment: Pursuant to § 7-725-a of the Village Law, the Board of Trustees herein enacts this article to regulate the review of site plan applications and the issuance of site plan approvals, denials, approvals with modifications and approvals with conditions by the Village Planning Board. The underlying aim of this article is to provide control over construction in a manner which prevents negative construction and encourages positive community and economic development; That the general health, safety and welfare of the Village and the local community is not negatively affected by the proposed site plan: And that the proposed site plan will provide development in harmony with and will have a positive influence upon the community.							
Environmental Protection	Yes	Freshwater Wetlands Code, Chapter 92	Local	Village Board	No	Yes	-
Comment: With the goal of protecting freshwater wetlands, the Village shall fully undertake and exercise its regulatory authority with regard to activities subject to regulation under the Act in freshwater wetlands, as shown on the Freshwater Wetlands Map, as such map may from time to time be amended, filed by the Department of Environmental Conservation pursuant to the Act, and in all areas adjacent to any such freshwater wetland up to 100 feet from the boundary of such wetland.							
Flood Damage Prevention	Yes	Chapter 88 (2010)	Local	Building Department/Code	Yes - BFE+2 feet for all	Yes	-



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	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?	
				Enforcement Officer	construction in the SFHA (residential and non-residential)		
<p>Comment: The Code Enforcement Officer is hereby appointed Local Administrator to administer and implement this chapter by granting or denying floodplain development permits in accordance with its 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 110, Sewers Code Chapter 142	Local	Stormwater Management Officer/Designated by the Board of Trustees	Yes	Yes	-
<p>Comment: Chapter 110; The purpose of this chapter is to provide for the health, safety, and general welfare of the citizens of the Village of Amityville through the regulation of non-stormwater discharges to the municipal separate storm sewer system (MS4) to the maximum extent practicable as required by federal and state law. This chapter establishes methods for controlling the introduction of pollutants into the MS4 in order to comply with requirements of the SPDES General Permit for Municipal Separate Storm Sewer System by establish the legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance.</p> <p>Chapter 142; Controls connections to Suffolk County South West Sewer District. No connection shall be made to the South West Sewer District (SWSD) before the necessary permits are obtained from or presented to the Village of Amityville.</p>							
Emergency Management	No	NYS Executive Law, Article 2B.	-	-	Yes	-	-
<p>Comment: The development of the New York State Comprehensive Emergency Management Plan (CEMP) is required under NYS Executive Law, Article 2B.</p>							
Climate Change	No	NYS Executive Law, Article 75	-	-	Yes	-	-
<p>Comment: The environmental conservation law was amended by adding ARTICLE 75 - CLIMATE CHANGE under Assembly Bill A. 8429 and Senate Bill S. 6599, dated June 18, 2019.</p>							
Disaster Recovery Ordinance	No	-	-	-	No	-	-
<p>Comment:</p>							
Disaster Reconstruction Ordinance	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?	
						If no - can it be a mitigation action?	
Other: Renewable Energy Systems	Yes	Chapter 135	Local	Village Board	No	-	-
Comment: Regulates the installation of solar and wind energy generation equipment							
Planning Documents							
Comprehensive Plan	No	-	-	-	No	-	-
Comment:							
Capital Improvement Plan	No	-	-	-	No	-	-
Comment: No formal long-term capital improvement plans or budgets							
Disaster Debris Management Plan	Yes	Suffolk County Multi-Jurisdictional Debris Management Plan	County, Local	Suffolk County FRES	Yes	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:							
Stormwater Plan	Yes	Stormwater Management Program Plan, 2009	Local	Building Department	No	-	-
Comment: Regular annual MS4 reports are submitted.							
Open Space Plan	No	NYS Constitution - Article 9; Statute of Local Governments. Section 10 (7)	-	-	Yes	-	-
Comment: Planning boards prepare or oversee the preparation of local comprehensive plans, which should include an open space element. The primary purpose of a local open space plan is to cause the important open lands in the community to be conserved for open space uses.							
Urban Water Management Plan	No	-	-	-	No	-	-
Comment:							



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	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?	
Habitat Conservation Plan	No	-	-	-	No	-	-
Comment:							
Economic Development Plan	Yes	NYRCRP process	Local	Village Board	No	Yes	-
Comment: Economic development being considered within current and ongoing NYRCRP process							
Shoreline Management Plan	No	Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas 6 NYCRR Part 505, Coastal Erosion Management Regulations	-	-	Yes	-	-
Comment: Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas 6 NYCRR Part 505, Coastal Erosion Management Regulations							
Community Wildfire Protection Plan	No	-	-	-	No	-	-
Comment:							
Forest Management Plan	No	-	-	-	No	-	-
Comment:							
Transportation Plan	No	-	-	-	No	-	-
Comment:							
Agriculture Plan	No	NYCRR Part 390 Agricultural and Farmland Protection -	-	-	Yes	-	-
Comment: Municipalities may develop agricultural and farmland protection plans, in cooperation with cooperative extension and other organizations, including local farmers.							
Other:	Yes	See below	See below	See below	No	-	-
Comment: Other Plans include:							
<ul style="list-style-type: none"> Amityville Downtown Plan 							



	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"> Long Island South Shore Estuary Reserve Comprehensive Management Plan – the Long Island South Shore Estuary Reserve Council and NYS Department of State are the responsible agencies for this plan 							
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	No	-	-	-	-	-	-
Comment:							
Threat & Hazard Identification & Risk Assessment (THIRA)	No	-	-	-	Yes	-	-
Comment:							
Post-Disaster Recovery Plan	Yes	Current and ongoing NYRCRP process	Local	Village Board	No	Yes	-
Comment: Current and ongoing NYRCRP process							
Continuity of Operations Plan	No	-	-	-	No	-	-
Comment:							
Public Health Plan	No	-	-	-	No	-	-
Comment:							
Other:	No	-	-	-	No	-	-
Comment:							

Table 9.3-4. 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



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

Administrative and Technical Capability

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

Table 9.3-5. Administrative and Technical Capabilities

Resources	Available? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	Yes	Beautification Committee
Economic Development Commission/Committee	No	Rely on Town of Babylon
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	Motorized siren, air horns, email blast, schools have an alert system, county has 911 (Code Red), social media
Maintenance programs to reduce risk	Yes	Stormwater and tree trimming
Mutual aid agreements	Yes	The Village of Amityville has mutual aid agreements with The Copiague Fire District for apparatus repair and maintenance, with the Town of Babylon for Legal Council and Suffolk County with Suffolk Share.
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Contract Planners/Engineers
Engineers or professionals trained in building or infrastructure construction practices	Yes	Contract Engineers. Village is applying for a CDBG grant to fund additional staffing for the building department.
Planners or engineers with an understanding of natural hazards	Yes	Contract Planners/Engineers
Staff with expertise or training in benefit/cost analysis	Yes	Village Clerk & staff



Resources	Available? (Yes or No)	Department/ Agency/Position
Professionals trained in conducting damage assessments	Yes	Contract Engineers
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Town of Babylon supplies GIS Maps on an informal basis for emergency preparedness and fire protection needs; Contract GIS available
Scientist familiar with natural hazards	No	-
NFIP Floodplain Administrator (FPA)	Yes	Code Enforcement Officer (currently Thomas Whalen)
Surveyor(s)	Yes	Contract Surveyors
Emergency Manager	Yes	Volunteer reporting to Village Clerk
Grant writer(s)	Yes	Village Clerk & staff; Village Board is considering securing grant writing support (contracting)
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 Amityville.

Table 9.3-6. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes, have utilized in the past
Capital improvements project funding	Yes, have utilized in the past. No formal capital budget.
Authority to levy taxes for specific purposes	Yes, have utilized in the past
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	Yes, have utilized for traffic safety measures, optical pre-emption, and roadway improvements
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes, have utilized in the past
Incur debt through special tax bonds	Yes, have utilized in the past
Incur debt through private activity bonds	No



Financial Resources	Accessible or Eligible to Use (Yes/No)
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	Yes, have utilized in the past
Open Space Acquisition funding programs	Yes, New development goes into Recreation Fee
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	FEMA sponsored grant funding; County sponsored grant funding for roadways improvements and stormwater remediation

Education and Outreach Capability

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

Table 9.3-7. Education and Outreach Capabilities

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	Yes, Mayors Office
Personnel skilled or trained in website development?	No
Hazard mitigation information available on your website; if yes, describe	Yes, information on hazards (flooding specifically)
Social media for hazard mitigation education and outreach; if yes, briefly describe.	Facebook
Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe.	Civic association
Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe.	Newsletter
Warning systems for hazard events; if yes, briefly describe.	Above
Natural disaster/safety programs in place for schools; if yes, briefly describe.	Unknown
Other	None

Community Classifications

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

Table 9.3-8. 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	4/4	2005



Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	4*	-
NYSDEC Climate Smart Community	Yes	N/A	N/A
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 9.3-9. 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	Medium
Infestation and Invasive Species	Medium
Nor’Easter	Medium
Severe Storm	Medium
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 has access to resources to determine the possible impacts of climate change upon the municipality and 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 municipality through roadway raising and bulkhead replacement/improvement. Backflow preventers have been installed.





9.3.5 National Flood Insurance Program

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

NFIP Floodplain Administrator (FPA)

Bryan Donato, Building Inspector

National Flood Insurance Program (NFIP) Summary

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

Table 9.3-10. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
Village of Amityville	982	1,538	\$87,084,710	245

Source: FEMA 2020

Notes: According to FEMA statistics as of 7/13/2020

RL Repetitive Loss

Flood Vulnerability Summary

The majority of the properties located south of Merrick Rd are prone to flooding. The Village does not maintain a list of properties that have been damaged by flooding. The Village does not maintain a list of property owners interested in flood mitigation but questions in conjunction with development about elevation requirements with respect to FEMA guidelines are quite frequent within the bounds of the Village. Most real estate professionals, architects, engineers, surveyors, homeowners and potential home purchasers are aware of restrictions and considerations of properties within the floodplain.

In order to make Substantial Damage determinations, evaluations of existing value are based off of Amityville Town Assessor’s records for home values weighed against estimated cost of construction of proposed development and other numerical data provided by the property owner. Substantial Damage letters may be drafted upon request if public funding is sought. Approximately 30 letters of substantial damage were issued as a result the flooding associated with Superstorm Sandy. Many new home buyers/developers engage in repairs/additions/alterations that exceed the 50% threshold and have sought public funding sources such as the NYRising Program.

The Village does not keep a list of properties that have been mitigated. Elevation/or reconstruction in conformance with current FEMA standards is quite common. Again, because projects involving alterations/additions typically exceed the 50% threshold and single-family property values in the Village are significant, elevation is common for the majority of residential permits involving noncompliant dwellings. Private funding and the NYRising Program are the normal sources of financing elevation and improvement projects.

The Village feels that flood hazard maps adequately address the flood risk for the Village, although the last update was in 2009 and an update is expected.

Resources

The Building Department is responsible for floodplain management. Bryan Donato, Building Inspector, is the floodplain administrator. Although not a certified floodplain manager, Mr. Donato has worked in this capacity for over 6 years. Additional in-service trainings and updates would be beneficial.



NFIP administration services include in person meetings/email/phone calls regarding potential home purchasing/development, education, and plan/permit review and inspections. GIS is provided by the Town of Babylon, although the public can utilize FEMA Mapping Service and/or Suffolk County GIS.

In order to determine if proposed development on an existing structure would qualify as a substantial improvement, a determination is made based on the formula defined in the NYS Building Code for a “Substantial Improvement”. Elevation is generally recommended so smaller future alterations do not need to be further evaluated; e.g. an addition is found to be 50% of the pre-storm value of the dwelling so elevation is not required, the applicant is advised that any and all future work will have to be evaluated cumulatively and may likely exceed the 50% standard.

Compliance History

Village of Amityville joined the NFIP on September 1, 1977 and is currently an active member of the NFIP. The current effective Flood Insurance Rate Maps are dated September 25, 2009. The community’s Flood Damage Prevention Ordinance (FDPO), found at Chapter 88 of the local code, was last updated in 2010 to reflect new FEMA mapping.

The community is currently in good standing in the NFIP and has no outstanding compliance issues. The current NFIP Floodplain Administrator has acknowledged that the last Community Assistance Visit (CAV) was performed on July 2, 2014.

Regulatory

The communities Flood Damage Prevention Ordinance (FDPO) was last updated January 2, 2010 and is found at Chapter 88 of the Village Code.

The Village of Amityville increased its required Base Flood Elevation (BFE) to BFE + 3 feet following Hurricane Sandy. Though the FEMA and State mandated BFE + 2 feet performed well during the storm, increasing the BFE will help reduce future damages. Both the Planning Board and Zoning Board consider efforts to reduce flood risk when reviewing applications in the SFHA, in particular those requiring height variances when elevation structures above the minimum Base Flood Elevations.

Community Rating System

The Village of Amityville does not participate in the Community Rating System (CRS) Program but would be likely interested in participating once having received additional information.

9.3.6 Integration with Other Planning Initiatives

As this HMP update is implemented, the Village of Amityville 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

It is the intention of this municipality to incorporate hazard mitigation planning and natural hazard risk reduction as an integral component of ongoing municipal operations. The following textual summary and table identify relevant planning mechanisms and programs that have been/will be incorporated into municipal



procedures, which may include former mitigation initiatives that have become continuous/on-going programs and may be considered mitigation “capabilities”:

- **Planning Board:** The Planning Board is responsible for approving site plans, subdivision plans and architectural drawings for both new construction and alterations that amount to more than 25% of the area of the original structure. In some cases, the applicant may need prior approval from the Zoning Board of Appeals.
- **Zoning Board of Appeals:** The Zoning Board of Appeals was established by Chapter 4 of the Village Code. Residents are required to apply for permission from the ZBA for the following purposes:
 - to modify frontage, front yard, side yard, rear yard depth and lot area requirements in the A, BB, B, C Residence, H Historical, B-1 Retail Business, B-2 General Business and B-3 Marine Business districts
 - to build or alter a building used or to be used in connection with a lawful nonconforming use
 - to request permission to subdivide a lot
 - to request permission to construct an accessory building (shed, boathouse, etc.)
 - to erect a fence in excess of 4 feet in height
 - other permits for use or special exceptions as named in the Code of the Village of Amityville (click on link above to access the full text of the Village Code)
- **Code Enforcement and Site Plan Review:** The Village allows up to 3’ freeboard for elevations in NFIP floodplains without zoning board approval. The Zoning Board considers the findings, vulnerabilities and recommendations within the HMP when conducting development and site plan reviews to assure appropriate land use.

Opportunities for Future Integration

None identified.

9.3.7 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 follows the guidance of Suffolk County for evacuation routes and procedures.

Sheltering

The Village relies on the American Red Cross for sheltering of residents.

Temporary Housing

The Village has two small municipal lots, the library parking lot, parks, and a privately owned large vacant lot that could be utilities for the placement of temporary housing.

Permanent Housing

The Village of Babylon is fully built out and does not have any available land for the placement of permanent housing.



9.3.8 Hazard Event History Specific to the Village of Amityville

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 Amityville’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 9.3-11 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 9.3-11. 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, Village of Amityville did not report any damages
September 3, 2013	Thunderstorm Wind, Lightning, Hail	No	Multiple trees were reported down around Amityville resulting in \$1K in property damage.	The Village reported approximately \$1K in property damage resulting from the storm.
January 23, 2017	Strong Wind	No	Deep low pressure passed south and east of Long Island. A 50 mph gust was observed near Amityville at 305 pm. Utility lines downed from wind.	\$50K in property damage was recorded in this section of the County
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, Village of Amityville 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. Lightning strikes resulted in damage to homes in the area.	On the average of \$5k in property damage was experienced by each of the impacted communities.
August 22, 2019	Thunderstorm Wind	No	A cold front triggered severe thunderstorms across Southeastern New York. A thunderstorm wind gust of 60 mph was reported in Babylon. In Amityville there were trees down,	The Village reported property damage of over \$30K.



Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
			damage to outdoor furniture and a partial building collapse.	

Notes:

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

9.3.9 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 Amityville. 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 9.3-12. Potential Flood Losses to Critical Facilities

Name	Type	Exposure			
		1% Event			





		A-Zone	V-Zone	0.2% Event	Complies with NYS Standards	Addressed by Proposed Action
Martin, Marmeline	Day Care	X	-	X	Unknown	2020-Amityville-011
SD3 PS-9 Pump Station Richmond Ave*	County Building	X	-	X	Unknown	2020-Amityville-011

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 Amityville. The Village of Amityville 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 Amityville indicated the following:

- The Village agreed with the calculated hazard rankings.

Table 9.3-13. Hazard Ranking

Coastal Erosion	Cyber Security	Disease Outbreak	Drought	Earthquake	Expansive Soils
High	Medium	Medium	Low	Medium	Low
Extreme Temperature	Flood	Groundwater Contamination	Hurricane	Infestation and Invasive Species	Nor'Easter
Medium	High	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:

- The Village has stormwater flooding issues in numerous locations. Areas that experience urban/stormwater flooding include the intersections of Grand Central & Montauk Highway and County Line Road & Sunset





Avenue. The end of South Bayview Avenue on the bay has combined stormwater and coastal flooding issues as does South Bayview Avenue, at the intersection of McDonald and New Point.

- The Village has several low-lying roadways which are impacted by coastal flooding.
- The Village Beach has experienced erosion which has damaged the walkway and prevented safe access to the pier.
- The Village has a large number of repetitive loss properties.

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

- Canals come up to Merrick Road and pose potential flooding problem on the main east west road.

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 9.3.14). 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 9.3-14. 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
						Cost	Level of Protection	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.
VA-1 (former VA-1)	Assess and prioritize options to increase structural stability and drainage capacity of culverts spanning tidal tributaries and implement as funding becomes available.	Nor'easters; Coastal Erosion; Flooding; Shallow Groundwater	NYSDOT, NYS Parks, SCDPW Highways, NYSDEC		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-2 ² (former VA-8)	Assess and prioritize options to enhance capability of the municipal drainage system, and implement as funding becomes available.	Nor'easters, Coastal Erosion, Hurricane, Flooding, Severe Storms, Shallow Groundwater	Village		In Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-3 ² (former VA-10)	Assess and prioritize options to elevate roads that are vital/critical to evacuation and local	Flood, Nor'easter,	Village		No Progress	Cost		1. Discontinue 2.
						Level of Protection		



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.
						Damages Avoided; Evidence of Success		
	community operations, and implement as funding becomes available.	Hurricane, Severe Weather				Damages Avoided; Evidence of Success		3. No longer a priority
VA-4 (former VA-18)	Assess and prioritize options to elevate, acquire, or relocate at-risk properties subject to flooding, and implement as funding becomes available. Specifically identified are properties in the following areas: <ul style="list-style-type: none">• Shoreline• Great South Bay frontage• Jones Island	Flood, Nor'easter, Hurricane, Severe Weather	Village		Complete; at-risk structures are elevated as necessary. When buildings are substantially damaged, they are elevated.	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-5 ² (former VA-37)	Assess and prioritize options, such as elevation, to ensure access to primary roadways, and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	Village		In Progress	Cost		1. Include in 2020 HMP 2. A road elevation for Norman Avenue is currently underway 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-6 ²						Cost		1. Include in 2020 HMP



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	Damages Avoided; Evidence of Success	
(former VA-42)	Assess and prioritize options to protect Montauk Highway at locations that flood frequently, and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	County/Village		In Progress	Level of Protection		2. 3.
VA-7 ² (former VA-46)	Assess and prioritize options to implement flood abatement and prevention, and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	County/Village		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-8 ² (former VA-48)	Assess and prioritize options to elevate Village/Hamlet beach facilities and buildings and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	Village		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-9 ² (former VA-49)	Assess and prioritize options to floodproof infrastructure at waterfront parks and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	Village		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided;		



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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.
						Evidence of Success		
VA-10 ² (former VA-39)	Assess and prioritize options to elevate the area and stabilize Amity Harbor at shoreline of Great South Bay between Ketchum's Creek at Tanner Park and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm, Coastal Erosion	Village/ NYSDEC		Complete	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-11 (former VA-27)	Work with home and business owners to upgrade and secure their heating fuel oil tanks and secure hazardous materials in conformance with flood and SCDHS code requirements.	Flood, Nor'easter, Hurricane, Severe Storm, Groundwater Contamination	County/ Village		Ongoing capability	Cost		1. Discontinue 2. 3. Ongoing Capability
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-12 ² (former VA-44)	Assess and prioritize options to reduce the likelihood of power outages and implement as funding becomes available.	Earthquake, Flood, Hurricane, Nor'easter, Severe Storm, Wildfire, Winter Storm	County		No Progress	Cost		1. Discontinue 2. 3. Ongoing Capability
						Level of Protection		
						Damages Avoided; Evidence of Success		



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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
						Cost	Damages Avoided; Evidence of Success	
VA-13 ² (former VA-45)	Provide back-up power supply for gas stations and cell towers.	Earthquake, Flood, Hurricane, Nor'easter, Severe Storm, Wildfire, Winter Storm	County		In Progress, Back-up power has been provided for the Amityville Fire Station which houses a cell tower, however no permits on file indicate any of the local gas stations have installed a back-up power source.	Cost		<ol style="list-style-type: none"> 1. Include in 2020 HMP 2. Back-up power for gas stations 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-14	Support and participate in county led initiatives (see Section 9.1) 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) • 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). 				Complete	Cost		<ol style="list-style-type: none"> 1. Discontinue 2. 3. Complete
	See above.	All Hazards	Suffolk County, as supported by relevant local department leads,			Level of Protection		
						Damages Avoided; Evidence of Success		
VA-15	Assess and prioritize options to reduce runoff and provide natural	Nor'easters, Coastal Erosion, Hurricane,	Village/ NYSDC		Ongoing capability	Cost		<ol style="list-style-type: none"> 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
						Level of Protection	Damages Avoided; Evidence of Success	
(former VA-30)	recharge of precipitation consistent with NYSDEC Stormwater Design Manual in public ROWs and implement as funding becomes available.	Flooding, Severe Storms, Shallow Groundwater				Level of Protection		<ol style="list-style-type: none"> Project to be included in 2020 HMP or Discontinue If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
VA-16 (former VA-6)	Assess and prioritize options to clear streams and restore habitats of tidal tributaries and freshwater rivers, to increase natural and municipal drainage capabilities, and implement as funding becomes available.	Nor'easters; Coastal Erosion; Hurricane; Flooding; Severe Storms; Shallow Groundwater	NYSDEC, SCDPW Vector Control		In Progress; Village has begun planning a restoration project for Avon Lake.	Cost		<ol style="list-style-type: none"> Include in 2020 HMP Avon Lake restoration project
VA-17 (former VA-29)	Inspect shoreline conditions on a regular basis and enforce that regular maintenance is being conducted.	Flood, Nor'easter, Hurricane, Severe Storm, Coastal Erosion	Village		No Progress	Level of Protection		<ol style="list-style-type: none"> Discontinue No longer a priority
VA-18	Assess and prioritize options to create, repair, or replace appropriate	Flood, Nor'easter, Hurricane,	Village/ NYSDEC		In Progress; Village bulkheads have been replaced and the	Damages Avoided; Evidence of Success		<ol style="list-style-type: none"> Include in 2020 HMP



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	Damages Avoided; Evidence of Success	
(former VA-38)	built and natural shoreline treatments along shorelines and road termini at Great South Bay and watercourses, and implement as funding becomes available”	Severe Storm, Coastal Erosion			village is looking into restoring the shoreline along the Village beach and park.	Level of Protection		2. Restore shoreline along the Village Beach and Park 3.
VA-19 ² (former VA-47)	Nourish ocean beaches to protect barrier island.	Flood, Nor’easter, Hurricane, Severe Storm, Coastal Erosion	Village, NYS		No Progress	Cost		1. Discontinue 2. 3. Not under Village jurisdiction
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-20	Apply for CDBG funding to fund additional staffing for the building department. This staff augmentation will be available to support mitigation and redevelopment projects.	Nor’easters, Coastal Erosion, Severe Storms, Hurricane, Flooding, Shallow Groundwater	Village Board		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-21 (former VA-4)	Enhance and implement the tree management program.	Nor’easters, Severe Winter Storms, Hurricane,	NYS Agriculture & Markets;		No Progress	Cost		1. Discontinue 2.
						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.
						Damages Avoided; Evidence of Success	Cost	
		Flooding, Severe Storms	USDA (APHIS)			Damages Avoided; Evidence of Success		3. Covered under other mitigation actions and capabilities.
VA-22 ² (former VA-41)	Assess and prioritize options to improve emergency access and egress in residential neighborhoods south of Montauk Highway, and implement as funding becomes available.	Flood, Nor'easter, Hurricane, Severe Storm	Village		Complete	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-23 (former VA-19)	Work together with the County and others to bring CRS training/workshops into the community where appropriate community officials and staff will actively participate	Flood, Nor'easter, Hurricane, Severe Weather	Village		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-24 ² (former VA-34)	Provide a better and more accurate system of flood alerts and warnings.	Flood, Nor'easter, Hurricane, Severe Storm	County/ Village		Complete	Cost		1. Discontinue 2. 3. Complete
						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		
VA-25 (former VA-31)	Develop system of evacuation route markers.	Earthquake, Flood, Hurricane, Nor'easter, Severe Storm, Wildfire	County/Village		No Progress	Cost		1. Include in 2020 HMP 2. 3.
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-26 ² (former VA-35)	Establish a dry ground designated parking area.	Flood, Nor'easter, Hurricane, Severe Storm	County/Village		Complete; Parking Fields 1, 2, 6, 8	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-27 (former VA-7)	Encourage staff and consultants to learn FEMA-sponsored cost-benefit analysis methodology, including bringing the training into the community where appropriate community officials will actively participate.	All Hazards	Village		No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
VA-28 ²		Flood				Cost		1. Discontinue



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	Damages Avoided; Evidence of Success	
(former VA-32)	Develop system of flood height markers.		County/ Village		No Progress	Level of Protection		2. 3. No longer a priority
						Damages Avoided; Evidence of Success		
VA-29	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		Complete; DPW has established a list of critical roadways	Cost		1. Discontinue 2. 3. Complete
						Level of Protection		
						Damages Avoided; Evidence of Success		



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Village of Amityville 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 Amityville 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 9.3-15 summarizes the comprehensive-range of specific mitigation initiatives the Village of Amityville 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 9.3-16 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 9.3-15. 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-Amitville-001	Enhance drainage system	2, 5	Nor'easters, Coastal Erosion, Hurricane, Flooding, Severe Storms, Shallow Groundwater	<p>Problem: The municipal drainage system may be contributing to flooding and not adequately draining stormwater. Areas that experience urban/stormwater flooding include the intersections of Grand Central & Montauk Highway and County Line Road & Sunset Avenue. The end of South Bayview Avenue on the bay has combined stormwater and coastal flooding issues. On South Bayview Avenue, intersection McDonald and New Point.</p>	No	None	Within 5 years	Engineer, Public Works	High	High	HMGP, PDM, BRIC, Village budget	High	SIP	SP
				<p>Solution: Assess and prioritize options to enhance capability of the municipal drainage system, and implement as funding becomes available. Options include installing larger basins and other stormwater improvements.</p>										
2020-Amitville-002	Elevate low lying roadways	2, 8	Flood, Nor'easter, Hurricane, Severe Storm	<p>Problem: Low lying roadways can flood during coastal flooding events. This leads to access issues. Low lying roadways include Norman Avenue, Berger Avenue, and Shore Road.</p>	No	None	Within 2 years	Engineer	\$150,000 per roadway	High	HMGP, PDM, BRIC, Village budget	High	SIP	PP
				<p>Solution: Complete elevation of Norman Avenue. Design and complete elevation of Berger Avenue and Shore Road.</p>										
2020-Amitville-003	Montauk Highway flood protection	1, 2, 7	Flood, Nor'easter, Hurricane, Severe Storm	<p>Problem: Montauk Highway is floodprone. Montauk Highway is under the jurisdiction of the NYS DOT.</p>	Yes	None	Within 5 years	NYS DOT, County, Village Administration	High	High	HMGP, BRIC, Village budget	High	EAP, SIP	PI, PP
				<p>Solution: The Village will work with NYS DOT to assess and prioritize options to protect Montauk Highway at</p>										



Table 9.3-15. 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
				locations that flood frequently, and implement as funding becomes available.										
2020-Amitville-004	Flood Protection for Village/Hamlet beach facilities	2, 8	Flood, Nor'easter, Hurricane, Severe Storm	<p>Problem: The Village has a facility for restroom and food services at the Village Beach. The facility was flooded during Sandy. There are additional facilities nearby which may also be flood prone.</p> <p>Solution: The Village will conduct a feasibility assessment to determine flood risk at Village facilities at and near the Beach and options to elevate or protect facilities and buildings from flooding, and implement as necessary.</p>	No	No	Within 2 years	Village/Town Administrations	High	Low	HMGP, BRIC, Village budget	High	SIP	PP
2020-Amitville-005	Coastal Erosion Monitoring	1, 2, 3, 5	Coastal Erosion, Hurricane, Nor'Easter	<p>Problem: The Town has shoreline which could be exposed to coastal erosion.</p> <p>Solution: The Town will participate in a county led erosion monitoring program.</p>	No	No	Within 1 year	SCWD, Town Administration	Staff time	Identification of coastal erosion	Municipal budget	High	NSP	NR
2020-Amitville-006	Backup power for gas stations	6, 7, 8	Earthquake, Flood, Hurricane, Nor'easter, Severe Storm, Wildfire, Winter Storm	<p>Problem: Gas stations lack backup power sources to continue to allow for fueling during power failure.</p> <p>Solution: The Village will conduct outreach to gas station owners about potential funding opportunities for backup power.</p>	No	No	Within 2 years	OEM	Staff time	Medium	Village budget	High	EAP, SIP	PI, PP



Table 9.3-15. 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-Amitville-007	Avon Lake restoration program	3, 5	Nor'easters; Coastal Erosion; Hurricane; Flooding; Severe Storms; Shallow Groundwater; Invasive Species	<p>Problem: Avon Lake is a degrade water body which has issues with invasive species and eutrophication. Cleanups have taken place and upgrades to curbing have been made to improve stormwater runoff. These issues can result in reduction in the drainage capacity of the lake.</p> <p>Solution: The Village will design and implement a restoration program, aimed at removing invasive species and reducing water quality issues associated with stormwater runoff.</p>	No	May require permitting	Within 2 years	Village Administration	Medium	Restoration of Avon Lake, increased drainage capacity of Avon Lake	Village budget	High	NSP	NR
2020-Amitville-008	Restore shoreline along the Village Beach and Park	3, 5	Flood, Nor'easter, Hurricane, Severe Storm, Coastal Erosion	<p>Problem: The Village Beach has experienced erosion. The shoreline adjacent to the Walkway has eroded to the point of the Walkway collapsing, prompting the closure of the Walkway and cutting off access to the pier. The current shoreline is protected by aged rip rap which needs to be restored.</p> <p>Solution: The Village will work to restore the shoreline by reestablishing the rip rap and determining if further stabilization is needed. The Village will then rebuild the area of the walkway which is collapsing.</p>	No	Permitting	Within 1 year	NYS DEC, USACE, Village Administration	High	Erosion protection measures instituted, access to pier restored.	HMGP, BRIC, USACE, HMGP, Village budget	High	SIP, NSP	PP, NR
2020-Amitville-009	Develop system of evacuation	6, 7	Earthquake, Flood, Hurricane, Nor'easter,	Problem: Evacuation routes need to be marked to allow the public to know which routes to take during evacuations.	Yes	None	Within 1 year	County, Village	Low	High	County/Village budget	High	EAP	ES, PI



Table 9.3-15. 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
	on route markers.		Severe Storm, Wildfire	Solution: The Village will work with the County to have evacuation route signs made and posted in the Village.										
2020-Amityville-010	Repetitive Loss Mitigation	1, 2	Flood; Severe Storm; Shallow Groundwater	<p>Problem: Frequent flooding events have resulted in damages to residential properties south of Merrick Road/Montauk Highway. These properties have been repetitively flooded as documented by paid NFIP claims.</p> <p>Solution: Conduct outreach to 120 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	\$12 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-Amityville-011	Critical facilities outreach	2, 6	Flood	<p>Problem: Pump Station #9 Babylon on Richmond Avenue is a critical facility located in the 100-year floodplain. The Pump Station is a County owned facility.</p> <p>Solution: The Village will conduct outreach to the County to ensure the County is aware of the flood exposure of the facility and potential mitigation actions which can be taken.</p>	Yes	None	Within 6 months	FPA	Staff time	Facility manager aware of flood exposure and mitigation actions	Village budget	High	EAP	PI



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 9.3-16. 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-Amityville-001	Enhance drainage system	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2020-Amityville-002	Elevate low lying roadways	1	1	0	1	1	1	1	1	1	1	1	1	1	1	12	High
2020-Amityville-003	Montauk Highway flood protection	1	1	0	1	1	0	0	1	1	1	1	0	1	1	10	High
2020-Amityville-004	Flood protection for Village/Hamlet beach facilities	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High
2020-Amityville-005	Coastal Erosion Monitoring	0	1	0	1	1	1	0	1	1	1	1	0	1	1	10	High
2020-Amityville-006	Backup power for gas stations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2020-Amityville-007	Avon Lake restoration program	0	1	0	1	1	1	0	1	1	1	1	0	1	1	10	High
2020-Amityville-008	Restore shoreline along the Village Beach and Park	0	1	1	1	1	1	0	1	1	1	1	1	1	1	12	High
2020-Amityville-009	Develop system of evacuation route markers.	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High



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-Amityville-010	Repetitive Loss Mitigation	1	1	1	1	1	1	0	1	0	0	1	0	1	1	10	High
2020-Amityville-011	Critical facilities outreach	1	1	1	1	1	0	1	1	1	1	0	1	1	1	12	High

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



9.3.11 Proposed Mitigation Action Types

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

Table 0-17. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LP R	SIP	NSP	EAP	P R	PP	PI	NR	SP	ES
Coastal Erosion		2020-Amityville-001, 2020-Amityville-008,	2020-Amityville e-005, 2020-Amityville e-007, 2020-Amityville e-008,			2020-Amityville e-008,		2020-Amityville e-005, 2020-Amityville e-007, 2020-Amityville e-008,	2020-Amityville e-001	
Cyber Security										
Disease Outbreak										
Drought										
Earthquake		2020-Amityville-006,		2020-Amityville e-006, 2020-Amityville e-009,		2020-Amityville e-006,	2020-Amityville e-006, 2020-Amityville e-009,			2020-Amityville e-009,
Expansive Soils										
Extreme Temperature										
Flood		2020-Amityville e-001, 2020-Amityville-002, 2020-Amityville-003, 2020-Amityville-004, 2020-Amityville-006, 2020-Amityville-008, 2020-Amityville-010,	2020-Amityville e-007, 2020-Amityville e-008,	2020-Amityville e-003, 2020-Amityville e-006, 2020-Amityville e-009, 2020-Amityville e-011		2020-Amityville e-002, 2020-Amityville e-003, 2020-Amityville e-004, 2020-Amityville e-006, 2020-Amityville e-008, 2020-Amityville e-010,	2020-Amityville e-003, 2020-Amityville e-006, 2020-Amityville e-009, 2020-Amityville e-011	2020-Amityville e-007, 2020-Amityville e-008,	2020-Amityville e-001	2020-Amityville e-009,
Groundwater Contamination										



Section 9.3: Village of Amityville

Hazard	FEMA				CRS					
	LP R	SIP	NSP	EAP	P R	PP	PI	NR	SP	ES
Hurricane		2020-Amityvill e-001, 2020-Amityville-002, 2020-Amityville-003, 2020-Amityville-004, 2020-Amityville-006, 2020-Amityville-007, 2020-Amityville-008,	2020-Amityvill e-005, 2020-Amityvill e-008,	2020-Amityvill e-003, 2020-Amityvill e-006, 2020-Amityvill e-009,		2020-Amityvill e-002, 2020-Amityvill e-003, 2020-Amityvill e-004, 2020-Amityvill e-006, 2020-Amityvill e-008,	2020-Amityvill e-003, 2020-Amityvill e-006, 2020-Amityvill e-009,	2020-Amityvill e-005, 2020-Amityvill e-007, 2020-Amityvill e-008,	2020-Amityvill e-001	2020-Amityvill e-009,
Infestation and Invasive Species			2020-Amityvill e-007,					2020-Amityvill e-007,		
Nor'Easter		2020-Amityvill e-001, 2020-Amityville-002, 2020-Amityville-003, 2020-Amityville-004, 2020-Amityville-006, 2020-Amityville-008,	2020-Amityvill e-005, 2020-Amityvill e-007, 2020-Amityvill e-008,	2020-Amityvill e-003, 2020-Amityvill e-006, 2020-Amityvill e-009,		2020-Amityvill e-002, 2020-Amityvill e-003, 2020-Amityvill e-004, 2020-Amityvill e-006, 2020-Amityvill e-008,	2020-Amityvill e-003, 2020-Amityvill e-006, 2020-Amityvill e-009,	2020-Amityvill e-005, 2020-Amityvill e-007, 2020-Amityvill e-008,	2020-Amityvill e-001	2020-Amityvill e-009,
Severe Storm		2020-Amityville-001, 2020-Amityville-002, 2020-Amityville-003, 2020-Amityville-004, 2020-Amityville-006, 2020-Amityville-008, 2020-Amityville-010,	2020-Amityvill e-007, 2020-Amityvill e-008,	2020-Amityvill e-003, 2020-Amityvill e-006,		2020-Amityvill e-002, 2020-Amityvill e-003, 2020-Amityvill e-004, 2020-Amityvill e-006, 2020-Amityvill e-008, 2020-Amityvill e-010,	2020-Amityvill e-003, 2020-Amityvill e-006,	2020-Amityvill e-007, 2020-Amityvill e-008,	2020-Amityville-001	
Severe Winter Storm		2020-Amityville-006,		2020-Amityvill e-006,		2020-Amityvill e-006,	2020-Amityvill e-006,			





Hazard	FEMA				CRS					
	LP R	SIP	NSP	EAP	P R	PP	PI	NR	SP	ES
Shallow Groundwater		2020-Amityville-001, 2020-Amityville-010,	2020-Amityvill e-007,			2020-Amityvill e-010,		2020-Amityvill e-007,	2020-Amityville-001	
Wildfire		2020-Amityville-006,		2020-Amityvill e-006,		2020-Amityvill e-006,	2020-Amityvill e-006,			

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

9.3.12 Staff and Local Stakeholder Involvement in Annex Development

The Village of Amityville 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 Building Department. The Building Department 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 9.3-18. Contributors to the Annex

Name	Title/Entity	Method of Participation
Bryan Donato	Building Inspector	Alternate Point of Contact, NFIP Floodplain Administrator, attended plan participant meetings, provided impact data, contributed to mitigation strategy
Dennis Siry	Mayor	Primary Point of Contact

9.3.13 Hazard Area Extent and Location

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



Figure 9.3-1. Village of Amityville Hazard Area Extent and Location Map 1

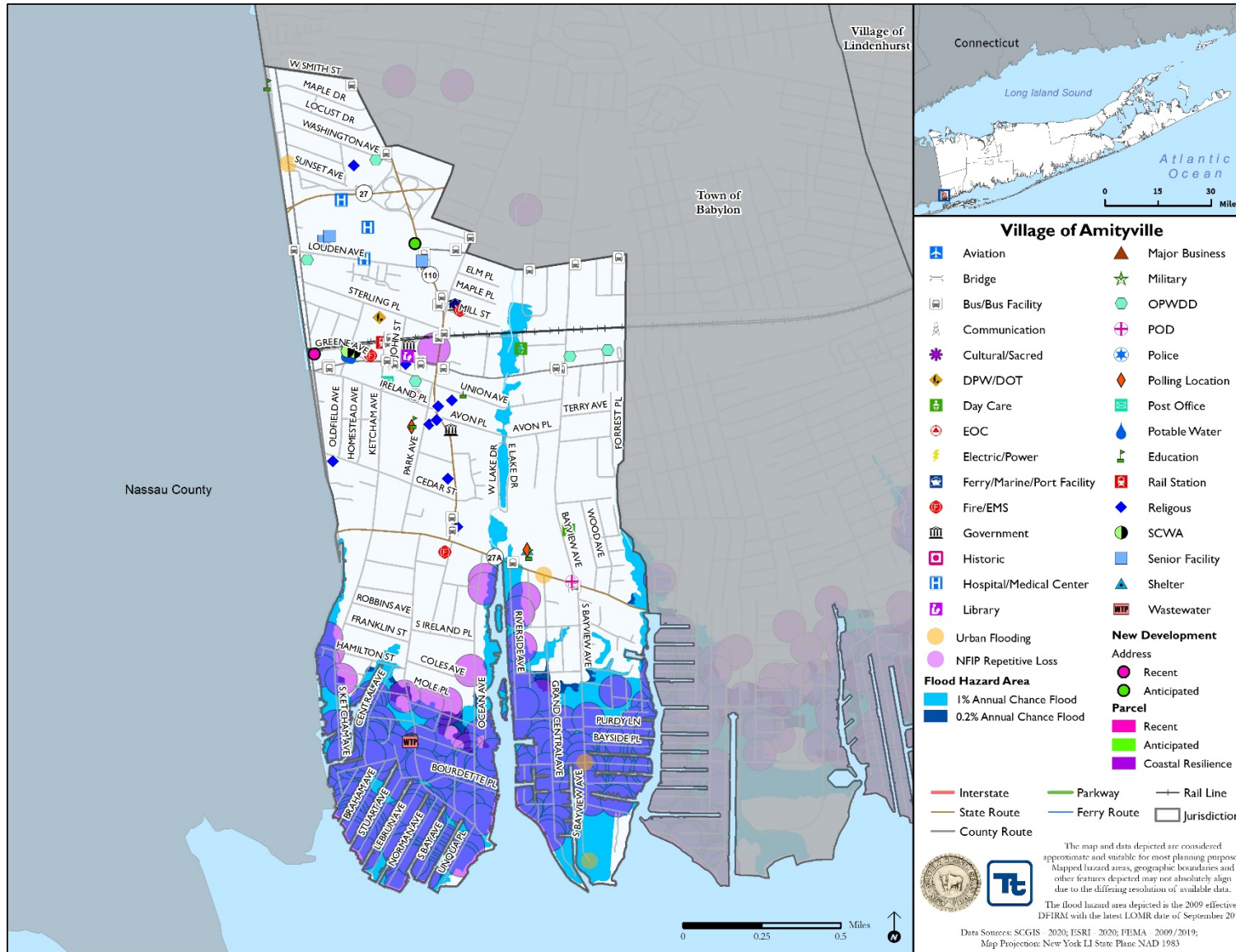




Figure 9.3-2. Village of Amityville Hazard Area Extent and Location Map 2

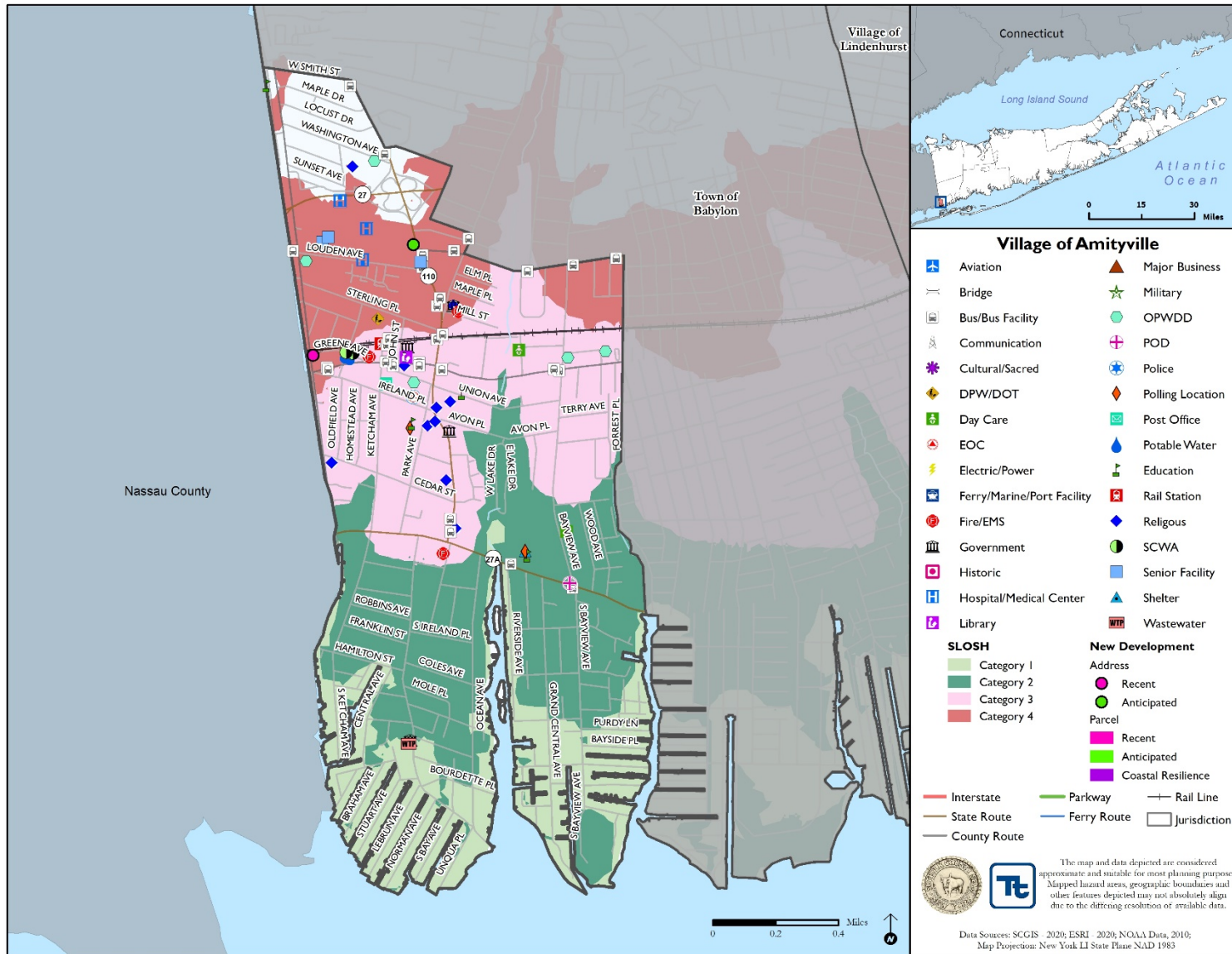




Figure 9.3-3. Village of Amityville Hazard Area Extent and Location Map 3

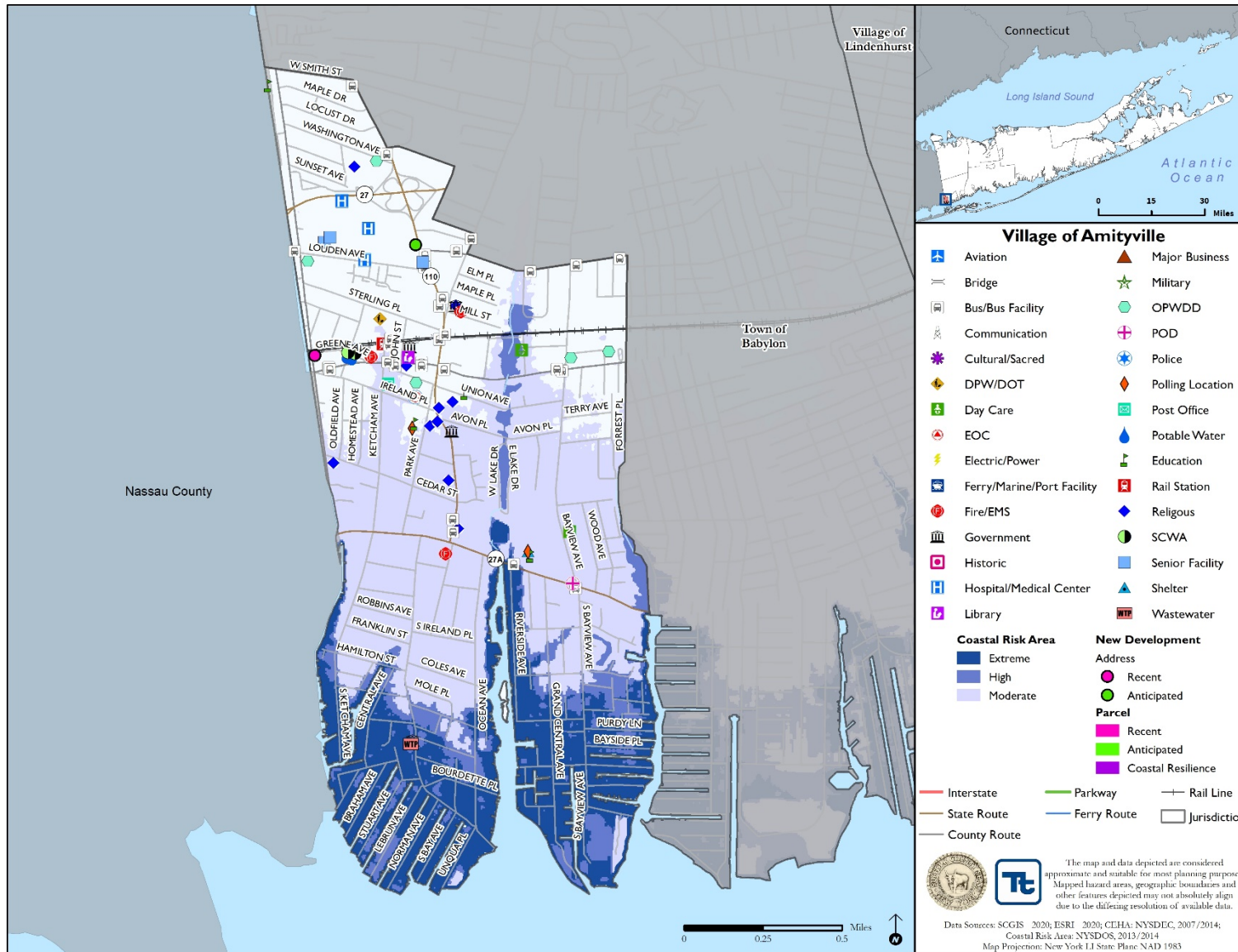
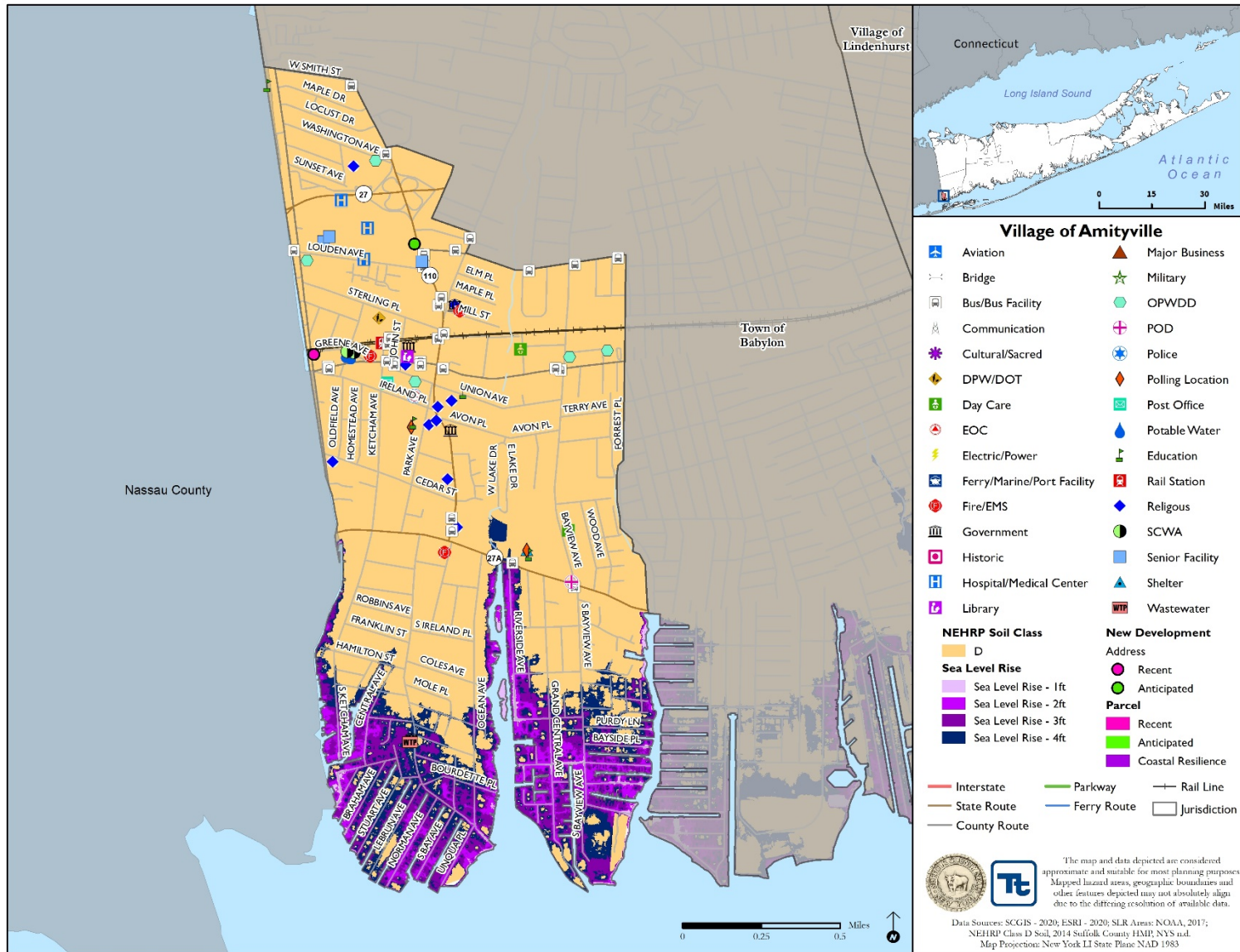




Figure 9.3-4. Village of Amityville Hazard Area Extent and Location Map 4





Action Worksheet			
Project Name:	Enhance drainage system		
Project Number:	2020-Amityville-001		
Risk / Vulnerability			
Hazard(s) of Concern:	Nor'easters, Coastal Erosion, Hurricane, Flooding, Severe Storms, Shallow Groundwater		
Description of the Problem:	The municipal drainage system may be contributing to flooding and not adequately draining stormwater. Areas that experience urban/stormwater flooding include the intersections of Grand Central & Montauk Highway and County Line Road & Sunset Avenue. The end of South Bayview Avenue on the bay has combined stormwater and coastal flooding issues as does South Bayview Avenue, at the intersection of McDonald and New Point.		
Action or Project Intended for Implementation			
Description of the Solution:	The Village will conduct a flood study to assess and prioritize options to enhance capability of the municipal drainage system and implement as funding becomes available. Options include installing larger basins and other stormwater improvements.		
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 the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	TBD by selected actions	Estimated Benefits (losses avoided):	Reduction in flooding
Useful Life:	15 years	Goals Met:	2, 5
Estimated Cost:	\$150,000 per roadway	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Within 5 years
Estimated Time Required for Project Implementation:	2 years	Potential Funding Sources:	FEMA HMP, PDM, BRIC, Village budget
Responsible Organization:	Engineer, Public Works	Local Planning Mechanisms to be Used in Implementation if any:	Hazard mitigation planning, Stormwater management
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Relocate roadways	N/A	Relocation not possible
	Install flood wall along roadways	N/A	Unless coastal flooding problem, flood wall is likely to increase flooding issues due to blocking drainage
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Enhance drainage system	
Project Number:	2020-Amityville-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will reduce flooded roadways, leading to improved emergency access
Property Protection	1	Project will protect roadways from flood damage
Cost-Effectiveness	1	
Technical	1	The project is technically feasible
Political	1	
Legal	1	The Village has the legal authority to complete the project
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Nor'easters, Coastal Erosion, Hurricane, Flooding, Severe Storms, Shallow Groundwater
Timeline	0	Within 5 years
Agency Champion	1	Engineer, Public Works
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Elevate low lying roadways		
Project Number:	2020-Amityville-002		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Severe Storm, Hurricane, Nor'Easter		
Description of the Problem:	Low lying roadways can flood during coastal flooding events. This leads to access issues. Low lying roadways include Norman Avenue, Berger Avenue, and Shore Road.		
Action or Project Intended for Implementation			
Description of the Solution:	The Village will complete elevation of Norman Avenue. The Village will then design and complete elevation of Berger Avenue and Shore Road.		
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 the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	Roadway raised	Estimated Benefits (losses avoided):	Reduction in flooding
Useful Life:	15 years	Goals Met:	2, 8
Estimated Cost:	\$150,000 per roadway	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Within 2 years
Estimated Time Required for Project Implementation:	3 months	Potential Funding Sources:	FEMA HMP, PDM, BRIC, Village budget
Responsible Organization:	Engineer	Local Planning Mechanisms to be Used in Implementation if any:	Hazard mitigation planning
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Relocate roadways	N/A	Relocation not possible
	Install flood wall along roadways	N/A	Not enough space, costly
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Elevate low lying roadways	
Project Number:	2020-Amityville-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will maintain access to residential properties for emergency response
Property Protection	1	Project will protect roadways from flood damage
Cost-Effectiveness	1	
Technical	1	The project is technically feasible
Political	1	
Legal	1	The Village has the legal authority to complete the project
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm, Hurricane, Nor'Easter
Timeline	1	Within 2 years
Agency Champion	1	Engineer
Other Community Objectives	1	
Total	13	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Restore shoreline along the Village Beach and Park		
Project Number:	2020-Amityville-008		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Nor'easter, Hurricane, Severe Storm, Coastal Erosion		
Description of the Problem:	The municipal drainage system may be contributing to flooding and not adequately draining stormwater. Areas that experience urban/stormwater flooding include the intersections of Grand Central & Montauk Highway and County Line Road & Sunset Avenue. The end of South Bayview Avenue on the bay has combined stormwater and coastal flooding issues. On South Bayview Avenue, intersection McDonald and New Point.		
Action or Project Intended for Implementation			
Description of the Solution:	The Village will work to restore the shoreline by reestablishing the rip rap and determining if further stabilization is needed. The Village will then rebuild the area of the walkway which is collapsing.		
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 the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	TBD by selected actions	Estimated Benefits (losses avoided):	Reduction in erosion, walkway protected, pier access restored
Useful Life:	15 years	Goals Met:	3, 5
Estimated Cost:	High	Mitigation Action Type:	Structure and Infrastructure Project, Natural Systems Protections
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Within 1 year
Estimated Time Required for Project Implementation:	3 months	Potential Funding Sources:	HMGP, BRIC, USACE, HMGP, Village budget
Responsible Organization:	NYS DEC, USACE, Village Administration	Local Planning Mechanisms to be Used in Implementation if any:	Hazard mitigation planning
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Relocate roadways	N/A	Relocation not possible
	Install flood wall along roadways	N/A	Unless coastal flooding problem, flood wall is likely to increase flooding issues due to blocking drainage
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Restore shoreline along the Village Beach and Park	
Project Number:	2020-Amityville-009	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Project will protect walkway from further erosion damages
Cost-Effectiveness	1	
Technical	1	The project is technically feasible
Political	1	
Legal	1	The Village has the legal authority to complete the project but may require permitting.
Fiscal	0	Project requires funding support
Environmental	1	
Social	1	Project will restore access to the pier.
Administrative	1	
Multi-Hazard	1	Flood, Nor'easter, Hurricane, Severe Storm, Coastal Erosion
Timeline	1	Within 1 year
Agency Champion	1	Engineer, Public Works
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	







Action Worksheet			
Project Name:	Repetitive Loss Mitigation		
Project Number:	2020-Amityville-010		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Severe Storm		
Description of the Problem:	Frequent flooding events have resulted in damages to residential properties south of Merrick Road/Montauk Highway. 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 120 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:	\$12 Million	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 Mitigation	
Project Number:	2020-Amityville-010	
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	