



9.21 Village of Huntington Bay

This section presents the jurisdictional annex for the Village of Huntington Bay.

9.21.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Christopher Jack, Police Officer 244 Vineyard Road Huntington Bay, NY 11743 Phone: (631) 427-2020 E-mail: hbpd112@gmail.com	Gail Devol, Village Administrator 244 Vineyard Road Huntington Bay, NY 11743 Phone: (631) 427-2843 E-mail: gdevol@huntingtonbay.org

9.21.2 Municipal Profile

Population

1,425 (2010 U.S. Census)

Location

The Village of Huntington Bay is a residential community approximately 1.2 square miles in size. The Village is located along the water (Huntington Bay) in the northwest section of Suffolk County within the Town of Huntington.

Climate

The Village of Huntington Bay enjoys a moderate climate with average low temperatures in the 30's degrees Fahrenheit (°F) and average high temperatures in the mid 70's (°F). Precipitation averages between 3.0 to 4.5 inches per month, receiving the highest amount of precipitation during the spring (March through May). On average, the Village receives over 28 inches of average snow fall per year, with highest accumulations in January. The humidity ranges between 55 and 80% throughout the year.

Brief History

The Village was incorporated in 1924 and has approximately 600 homes and 1 yacht club, 1 beach and tennis club and five beach associations.

Governing Body Format

The local governing body consists of a mayor and 4 trustees who will be responsible for the adoption and implementation of this Plan.

Growth/Development Trends

None identified at this time.



Table 9.21-1. Growth and Development

Property Name	Type (Residential or Commercial)	Number of Structures	Location (address and/or Parcel ID)	Known Hazard Zone*	Description / Status
None identified at this time					

* Only location-specific hazard zones or vulnerabilities identified.

9.21.3 Natural Hazard Event History Specific to the Municipality

Suffolk County has a history of natural hazard events as detailed in Volume I, Section 5.0 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 table below presents a summary of events that have occurred from 2008 to the present to indicate the range and impact of natural hazard events in the community. Information regarding specific damages is included if available based on reference material or local sources. For details of events prior to 2008, refer to Volume I, Section 5.0 of this plan.

Table 9.21-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	Suffolk County Designated?	Summary of Damages/Losses
October 27- November 8, 2012	Hurricane Sandy	DR-4085	Yes – IA (Individual Assistance) and PA	
August 26 – September 5, 2011	Hurricane Irene	EM 3328 DR 4020	Yes – IA and PA	
December 26-27, 2011	Severe Winter Storm and Snowstorm	DR 1957	Yes - PA	
March 13-31, 2010	Severe Storms and Flooding	DR 1899	Yes - PA	
November 12-14, 2009	Severe Storms and Flooding associated with TD Ida and Nor’Easter	DR 1869	Yes - PA	

EM Emergency Declaration (FEMA)
 FEMA Federal Emergency Management Agency
 DR Major Disaster Declaration (FEMA)
 IA Individual Assistance
 N/A Not applicable
 PA Public Assistance

9.21.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Village of Huntington Bay. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.





Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for Village of Huntington Bay.

Table 9.21-3. Hazard Risk/Vulnerability Risk Ranking

Rank #	Hazard Type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^a	Probability of Occurrence ^b	Risk Ranking Score (Probability x Impact)
1	Nor'Easters	Min: \$37,236,038 Max: \$38,339,078 ^c	Frequent	54
1	Severe Storms	100 Year: \$1,486,078 500 Year: \$11,318,017 ^d	Frequent	54
1	Winter Storms	Damage estimate not available	Frequent	54
2	Flooding	Coastal- 100 Year: \$16,118,000 500 Year: \$18,924,000 ^e Riverine- 100 Year: \$1,162,000 500 Year: \$2,092,000 ^e	Frequent	36
2	Hurricane (tropical storms) etc.	Min: \$37,236,038 Max: \$38,339,078 ^c	Occasional	36
3	Coastal Erosion	Damage estimate not available	Frequent	18
3	Shallow Groundwater	Damage estimate not available	Frequent	18
5	Groundwater contamination (natural)	Damage estimate not available	Occasional	14
6	Infestation (ALB, Lyme, WNV)	Damage estimate not available	Occasional	8
7	Drought	Damage estimate not available	Occasional	0
7	Wildfire	Damage estimate not available	None	0
4	Earthquake	500 Year: \$50,407,073 2500 Year: \$726,809,708 ^{e,f}	Rare	16

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001).
 - b. Probability factors are based on yearly values of occurrence as follows:
 Frequent= Hazard event that occurs more frequently than once in 10 years
 Occasional=Hazard event that occurs from once in 10 years to once in 100 years
 Rare=Hazard event that occurs from once in 100 years to once in 1,000 years
 None= Hazard event that occurs less frequently than once in 1,000 years
 - c. Estimated building replacement value (structure and contents) damaged by the 500-year hurricane-related winds and storm surge event as calculated using HAZUS-MH MR3 (custom methodology explained in Section 5.4.4, Volume 1 in the Hurricane hazard profile).
 - d. Estimated building replacement value (structure and contents) damaged by wind as calculated using HAZUS-MH MR3.
 - e. HAZUS-MH MR3 loss estimate.
 - f. Total damages for the Town of Brookhaven which includes all Villages.
- CEHA = Coastal Erosion Hazard Area
 GBS = General building stock
 MRP = Mean return period
 RCV = Replacement cost value

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the municipality.





Table 9.21-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 100-year Boundary (3)	# Polices in 500-Boundary (3)	# Policies Outside the 500-year Flood Hazard (3)
Village of Huntington Bay	70	80	\$1,756,888	8	0	21	2	47

Source: FEMA Region 2, 2014

Note (1): Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2, and are current as of January 31, 2014. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents the number of claims closed by January 31, 2014.

Note (2): Total building and content losses from the claims file provided by FEMA Region 2.

Note (3): The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file. FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

Critical Facilities

The table below presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of a 1- and 0.2-percent annual chance flood events.

Table 9.21-5. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event			Potential Loss from 0.2% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽²⁾	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽²⁾
None									

Source: HAZUS-MH 2.1

Other Vulnerabilities Identified

None at this time.



9.21.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the municipality.

Table 9.21-6. Planning and Regulatory Capability

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dep't. / Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Building Code	Y	Local	Village	The Village Enforces New York State building code. Chapter 9, Section 9-1. Adopted July 1967
Zoning Ordinance	Y	Local	Village	The Village has a Zoning Code in place that is enforced. Chapter 91 of Village Code. Adopted December 1935
Subdivision Ordinance	Y	Local	Village	Subdivision regulations and procedures as per Village code Chapter 77 Adopted Feb. 18, 1958
Special Purpose Ordinances	Y	Local	Village	Floodplain management as per Village code chapter 34 Adopted May 11, 1998
Growth Management				
Floodplain Management / Basin Plan	Y	Local		1996
Stormwater Management Plan/Ordinance	Y	Local	Village	Storm water management (Building code. 6 inch rain fall for all impervious surfaces) chapter 73A Adopted Dec. 21, 2001
Comprehensive Plan / Master Plan				
Capital Improvements Plan				
Site Plan Review Requirements	Y	Local	Village	Site plan review as per Village code.
Habitat Conservation Plan				
Economic Development Plan				
Emergency Response Plan		County		
Shoreline Management Plan				
Post Disaster Recovery Plan				
Post Disaster Recovery Ordinance				
Real Estate Disclosure req.				



Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dep't. / Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Other (e.g. steep slope ordinance, local waterfront revitalization plan)				
NFIP Flood Damage Protection Ordinance	Y			Village Code Chapter 34
Freeboard	N			State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other
Cumulative Substantial Damages	N			
Coastal Erosion Control Districts	N			

Administrative and Technical Capability

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

Table 9.21-7. Administrative and Technical Capabilities

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Planning Board, Village Engineers, Building Inspector
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Building inspector
Planners or engineers with an understanding of natural hazards	Y	Village Engineer
NFIP Floodplain Administrator	N	Richard Kinch, Village Building Inspector
Surveyor(s)	N	
Personnel skilled or trained in “GIS” applications	Y	Building inspector
Scientist familiar with natural hazards in the County.	N	
Emergency Manager	Y	Chief of Police
Grant Writer(s)	N	
Staff with expertise or training in benefit/cost analysis	Y	

***Per municipal Flood Damage Prevention Ordinance*

Fiscal Capability

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

Table 9.21-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community development Block Grants (CDBG)	Y
Capital Improvements Project Funding	NA
Authority to Levy Taxes for specific purposes	Y
User fees for water, sewer, gas or electric service	N



Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Impact Fees for homebuyers or developers of new development/homes	N
Incur debt through general obligation bonds	N
Incur debt through special tax bonds	N
Incur debt through private activity bonds	N
Withhold public expenditures in hazard-prone areas	N
Mitigation grant programs	Y
Other	N

Community Classifications

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

Table 9.21-9. Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	Not Participating	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	3/3	2004
Public Protection	3/9*	-
Storm Ready	Not Participating	N/A
Firewise	Not Participating	N/A

* Higher classification applies to when subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.

The classifications listed above relate to the community’s effectiveness in providing services that may impact its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class one (1) being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO’s Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>





National Flood Insurance Program

The following section provides details on the National Flood Insurance Program (NFIP) as implemented within the municipality:

NFIP Floodplain Administrator: Richard Kinch

Program and Compliance History

The Village of Huntington Bay joined the NFIP on April 18, 1983, 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 34 of the local code, was last updated on August 11, 2009.

As of January 31, 2014 there are 70 policies in force, insuring \$20,321,800 of property with total annual insurance premiums of \$88,189. Since January 31, 2014, 80 claims have been paid totaling \$1,756,888. As of January 31, 2014 there are 8 Repetitive Loss and no Severe Repetitive Loss properties in the community.

The community is currently in good standing in the NFIP and has no outstanding compliance issues. The current NFIP Floodplain Administrator has no knowledge of when the last CAV was performed. The municipality sees no specific need for a CAV at this time.

Loss History and Mitigation

Since January 31, 2014, 80 claims have been paid totaling \$1,756,888. As of January 31, 2014 there are 8 Repetitive Loss and no Severe Repetitive Loss properties in the community.

Planning and Regulatory Capabilities

The community's Flood Damage Prevention Ordinance (FDPO) was last updated on August 11, 2009, and is found at Chapter 34 of the local code. Floodplain management ordinances and regulations are enforced using FEMA and New York State minimum requirements.

Administrative and Technical Capabilities

The community FDPO identifies the Building Inspector as the local NFIP Floodplain Administrator, currently Richard Kinch, for which floodplain administration is an auxiliary duty. NFIP administration services to the community include: permit review, inspections, and education. Pamphlets have been distributed to the public in the past regarding flooding risk.

Following Hurricane Sandy no properties were determined to be Substantially Damaged. These determinations are not done by the Floodplain Administrator.

Richard Kinch feels he is adequately supported and trained to fulfill his responsibilities as the municipal floodplain administrator. Richard Kinch is not certified in floodplain management, however attends regular continuing education programs for code enforcement.



Public Education and Outreach

In the Village of Huntington Bay, the following educational and/or outreach activities related to the NFIP by the Building Division: pamphlets distributed to the community to educate the community of its flooding risk.

Actions to Strengthen the Program

There are no barriers to running an effective floodplain management program in Huntington Bay. Additional training on both floodplain management and the Community Rating System (CRS). At this time, Village of Huntington Bay is not a member of CRS.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

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/ongoing programs and may be considered mitigation “capabilities”:

Building Code, Ordinances, and Enforcement – review planned development against the hazard areas identified in the HMP during zoning and subdivision reviews.

Building Code, Ordinances, and Enforcement – maintain NFIP flood damage prevention ordinance, floodplain management ordinance, and stormwater management ordinance to minimize risk from flood and storm impacts.

Floodplain Management - work together with the County and others to bring CRS training/workshops into the community where appropriate community officials and staff will actively participate

Emergency Response Plan - consider the development of a post-disaster action plan, including a debris management plan. This to be incorporated into existing emergency management plans. The debris management plan will incorporate estimates of debris generated by different hazards, as discussed in the risk assessment portion of the HMP.

9.21.1 Mitigation Strategy

This section discusses past mitigation actions and status, describes proposed hazard mitigation initiatives, and prioritizations.

Past Mitigation Initiative Status

The following table summarizes progress on the mitigation strategy identified in the 2008 plan for the Village.



Table 9.21-1. Past Mitigation Initiative Status

Description	Status	Review Comments
VHB-1: Designate, prepare and announce Emergency Assembly points in conjunction with a public awareness plan.	No Progress – lack of resources	Carried forward into the 2014 Plan update.
VHB-2: Complete the project to capture first 1" of rain on village streets by surface grates; storm water goes into drywells and discharge into the subsoil	100% Completed	
VHB-3: Raise or retrofit developed flood-prone areas along East Shore Road and Shore Drive	No Progress	Carried forward into the 2014 Plan update.
VHB-4: Institute a tree trimming program to help keep roadways and communications open	In Progress	Carried forward into the 2014 Plan update.
VHB-5: Enhance drainage maintenance program	No Progress – lack of resources	Carried forward in an enhanced action into the 2014 Plan update.
VHB-6: Increase interagency communication capabilities	Ongoing	This initiative is being removed from the updated mitigation strategy as it refers to activities that are an ongoing and normal part of Village operations.
VHB-7: Retrofit Police facility / Village Hall for the possible impacts as it is Huntington Bay's only essential facility	No Progress – lack of resources	Carried forward into the 2014 Plan update.
VHB-8: Increase rainfall capture on village streets from one inch to two inches (See VHB-2)	No Progress – lack of resources	Carried forward into the 2014 Plan update.
VHB-9: Support County-wide initiatives identified in Section 9.1 of the Suffolk County Annex.	Ongoing	This initiative is being removed from the updated mitigation strategy as it refers to activities that are an ongoing and normal part of Village operations. The Village has fully participated in the 2014 update to this plan.
VHB-10: Consider the development of a post-disaster action plan, including a debris management plan. This to be incorporated into existing emergency management plans.	Ongoing	A modified version of this initiative is being carried forward, identifying local participation in the pending county-led debris management planning process.
VHB-11: Consider participation in incentive-based programs such as, CRS and "Storm-Ready".	Ongoing	The Village has included an initiative to support county-led initiatives, which include programs to enhance floodplain management capabilities. The Village will attend a CRS workshop if offered locally.
VHB-12: Develop and/or enhance the current stormwater management system to be in compliance with federal and state regulations such that there will be a net reduction in the flood risk caused by stormwater impacts.	No Progress – lack of resources	Carried forward into the 2014 Plan update.
VHB-13: Continue to support the implementation, monitoring, maintenance and updating of this Plan, as defined in Section 7.0	Ongoing	This initiative is being removed from the updated mitigation strategy as it refers to activities that are an ongoing and normal part of Village operations. The Village has fully participated in the 2014 update to this plan.
VHB-14: Strive to maintain compliance with and good-standing in the NFIP	Ongoing	This initiative is being removed from the updated mitigation strategy, and identified as a mitigation capability as it refers to activities that are an ongoing and normal part of Village operations. Initiatives that enhance local floodplain management capabilities and participation in the NFIP have been identified in the Village's updated mitigation strategy.



Description	Status	Review Comments
VHB-15: Enhance comprehensive emergency management plan to address hazards of earthquakes	Ongoing	This initiative is being carried forward as an integration action, specifically identifying that the Village will incorporate the findings and recommendations of this HMP update into amendments/updates to their emergency plans.

Proposed Hazard Mitigation Initiatives for the Plan Update

The Village of Huntington Bay identified mitigation initiatives they would like to pursue in the future. 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. Table 9.21-11 identifies the municipality’s updated local mitigation strategy.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.21-12 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.21-2. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to new and/or existing structures*	Hazard(s) Mitigated	Objectives Met	Lead Agency	Estimated Benefits	Estimated Cost	Sources of Funding	Time-line	Priority	Mitigation Category
VHB-1	Sandy HMGP LOI # 195 - Assess and prioritize options to install drainage structures to receive stormwater runoff and reconstruct East Shore Road to redirect stormwater away from the road, and implement as funding becomes available.	New	Flood, Hurricane, Nor'Easter, Severe Storm, Winter Storm	8, 13, 14, 15, 16, 17				See Action Worksheet (VHB-1-LOI 195 – 031814)			
VHB-2	Sandy HMGP LOI #363 - Assess and prioritize options to reconstruct the north end of Locust Lane, and implement as funding becomes available.	Existing	Coastal Erosion, Flood, Hurricane, Nor'Easter, Severe Storm	2, 13, 14, 15, 16				See Action Worksheet (VHB-2- LOI 363 – 031814)			
VHB-3 (previously VHB-4)	Institute a tree trimming program to help keep roadways and communications open	NA	All Hazards	5, 13, 16	Village Huntington Bay	Medium	Medium	General fund	Short term DOF	High	SIP
VHB-4 (previously VHB-5)	Assess and prioritize options to enhance the stormwater drainage maintenance program, and implement as funding becomes available.	Existing	Flooding, Coastal Storms	5, 8, 11	Village Huntington Bay	High	Medium	General fund	Short term OG	Medium	SIP
VHB-5 (previously VHB-7)	Assess and prioritize options to retrofit the Police facility / Village Hall against hazard impacts, and implement as funding becomes available.	Existing	All Hazards	12, 13, 16	Village Huntington Bay	High	High	General Fend, FEMA Hazard Mitigation Grant	Long term DOF	Medium	SIP



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Initiative	Mitigation Initiative	Applies to new and/or existing structures*	Hazard(s) Mitigated	Objectives Met	Lead Agency	Estimated Benefits	Estimated Cost	Sources of Funding	Time-line	Priority	Mitigation Category
VHB-6 (previously VHB-8)	Assess and prioritize options to increase rainfall capture on village streets from one inch to two inches, and implement as funding becomes available.	New and Existing	Flooding, Coastal Storms, Severe Storms	5, 8, 11, 15	Village Huntington Bay	High	High	Grant	Long Term DOF	Medium	SIP
VHB-7 (previous VHB-1)	Designate, prepare and announce Emergency Assembly points in conjunction with a public awareness plan.	NA	All Hazards	1, 13, 14	Village Huntington Bay	Medium	Low	Local resources	Short	High	LPR
VHB-8 (previously VHB-11)	Work together with the County and others to bring CRS training/workshops into the community where appropriate community officials and staff will actively participate.	New and Existing	Flood, Nor'Easter, Hurricane, Severe Weather	1, 2, 3, 7, 13	Village Board	Medium	Low	General fund through existing programs	Long Term	Low	LPR
VHB-9	Support and participate in county led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically: <ul style="list-style-type: none"> • Mitigation Education for Natural Disasters (natural hazard awareness and personal scale risk reduction/mitigation public education and outreach program) • Build Local Floodplain Management and Disaster Recovery Capabilities (enhanced floodplain management, and post-disaster assessment and recovery capabilities) • County-Wide Debris Management Plan • Jurisdictional Knowledge of Mitigation Needs of Property Owners (improved understanding of damages and mitigation interest/activity of private property owners) • Create a Multi-Jurisdictional Seismic Safety Committee in Suffolk County (build regional, county and local capabilities to manage seismic risk, both pre- and post-disaster) • Alignment of Mitigation Initiatives through all levels of Government (effort to build State and Federal level recognition and support of the County and local hazard mitigation planning strategies identified in this plan). 										





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Initiative	Mitigation Initiative	Applies to new and/or existing structures*	Hazard(s) Mitigated	Objectives Met	Lead Agency	Estimated Benefits	Estimated Cost	Sources of Funding	Time-line	Priority	Mitigation Category
	See above	New and Existing	All Hazards	All Objectives	Suffolk County, as supported by relevant local department leads,	High (comprehensive improvements mitigation and risk-reduction capabilities)	Low-Medium (locally)	Local (staff resources)	Short	High	All
VHB-10	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.										
	See above.	Existing	Severe Storm; Severe Winter Storm; Hurricane; Nor’Easter	3, 7, 13, 14, 15, 16	PSEG, County	High	Low-Medium	Local	Short	High	LPR

Notes:

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

- DPW Department of Public Works
- FEMA Federal Emergency Management Agency
- FMA Flood Mitigation Assistance grant program
- HMA Hazard Mitigation Assistance grant program (including FMA, HMGP, PDM)
- HMGP Hazard Mitigation Grant Program
- N/A Not applicable
- NFIP National Flood Insurance Program
- NYSOEM New York State Office of Emergency Management
- PDM Pre-Disaster Mitigation grant program
- PSEG Public Service Electric and Gas (formerly LIPA)

Costs:

Where actual project costs have been reasonably estimated:

- Low = < \$10,000
- Medium = \$10,000 to \$100,000
- High = > \$100,000

Where actual project costs cannot reasonably be established at this time:





Low = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium = Could budget for under existing work plan, but would require a reappropriation of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low = < \$10,000
Medium = \$10,000 to \$100,000
High = > \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low = Long-term benefits of the project are difficult to quantify in the short term.
Medium = Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High = Project will have an immediate impact on the reduction of risk exposure to life and property.

Timeline:

Short = 1 to 5 years
Long Term = 5 years or greater
OG = On-going program
DOF = Depending on funding

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 (NRP) – 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.





Table 9.21-3. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
VHB-1	Sandy HMGP LOI # 195 - Assess and prioritize options to install drainage structures to receive stormwater runoff and reconstruct East Shore Road to redirect stormwater away from the road, and implement as funding becomes available.	1	1	1	1	1	1	0	1	0	0	1	1	1	0	11	High
VHB-2	Sandy HMGP LOI #363 - Assess and prioritize options to reconstruct the north end of Locust Lane, and implement as funding becomes available.	1	1	1	1	1	1	0	1	0	0	1	1	1	0	11	High
VHB-3 (previously VHB-4)	Institute a tree trimming program to help keep roadways and communications open	0	1	1	1	1	1	1	1	0	1	1	1	1	0	11	High
VHB-4 (previously VHB-5)	Assess and prioritize options to enhance the stormwater drainage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Medium





SECTION 9.21: VILLAGE OF HUNTINGTON BAY

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
	maintenance program, and implement as funding becomes available.																
VHB-5 (previously VHB-7)	Assess and prioritize options to retrofit the Police facility / Village Hall against hazard impacts, and implement as funding becomes available.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Medium
VHB-6 (previously VHB-8)	Assess and prioritize options to increase rainfall capture on village streets from one inch to two inches, and implement as funding becomes available.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Medium
VHB-7 (previous VHB-1)	Designate, prepare and announce Emergency Assembly points in conjunction with a public awareness plan.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	High
VHB-8 (previously VHB-11)	Work together with the County and others to bring CRS training/workshops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Low





SECTION 9.21: VILLAGE OF HUNTINGTON BAY

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
	into the community where appropriate community officials and staff will actively participate.																
VHB-9 (previously VHB-9)	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	High
VHB-10	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.	1	1	1	1	1	1	1	0	1	1	1	1	1	0	12	High

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.
 - = Prioritization remained the same as the 2008 HMP.





9.21.2 Future Needs to Better Understand Risk/Vulnerability

- Consider participating in a comprehensive update to the Intra-jurisdictional County-wide Emergency Management Plan.
- Consider participating in a comprehensive update to the Intra-jurisdictional County-wide Debris Management Plan.

9.21.3 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Village of Huntington Bay that illustrate the probable areas impacted within the Village. 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. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Huntington Bay has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.21.4 Additional Comments

None at this time.



Figure 9.21-1. Village of Huntington Bay Hazard Area Extent and Location Map 1

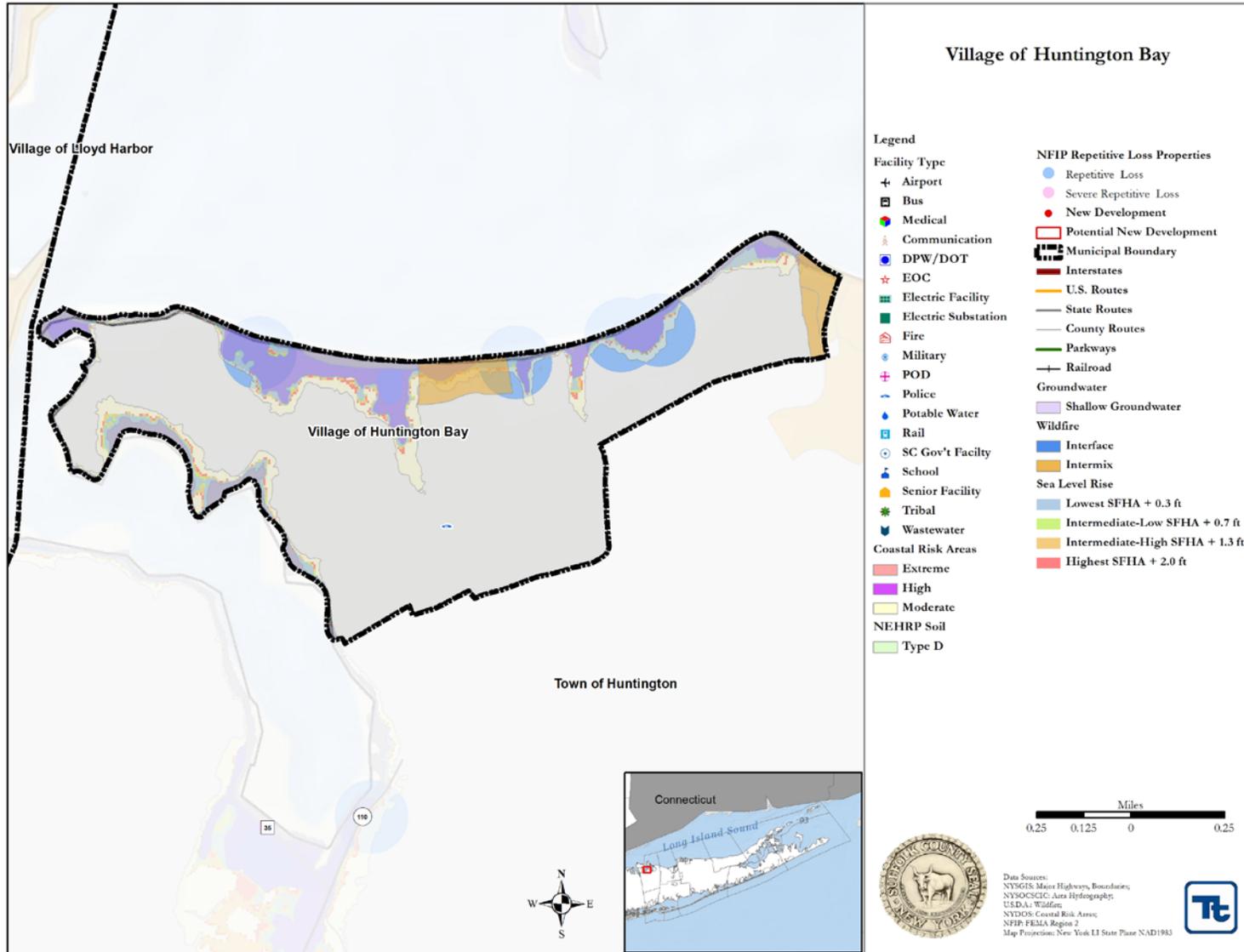
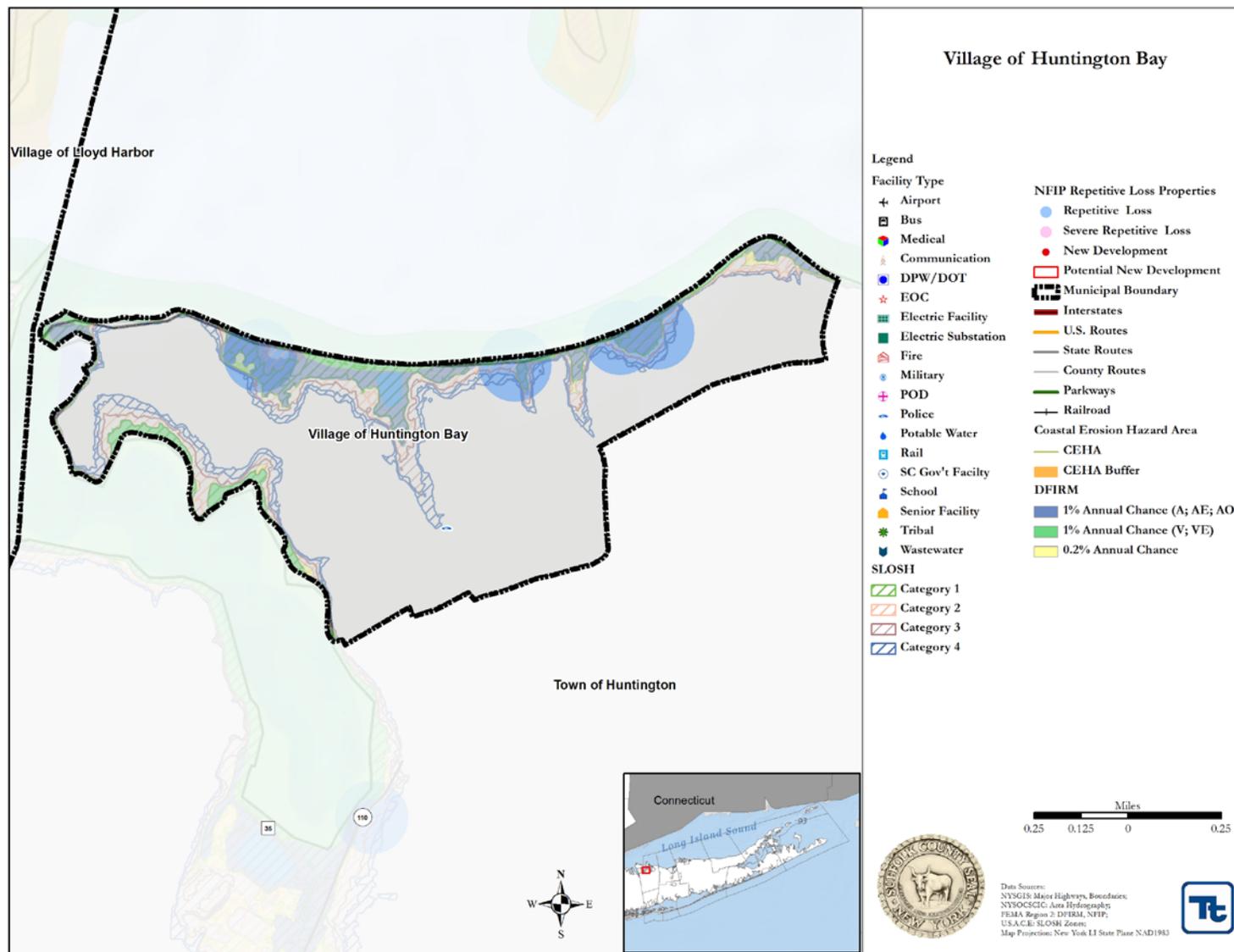




Figure 9.21-2. Village of Huntington Bay Hazard Area Extent and Location Map





Mitigation Action Worksheet

Please complete one sheet per action/project with as much detail as possible, using the guidance beginning on page 3 and examples provided by FEMA.

Name of Jurisdiction: Village of Huntington Bay
Number: Sandy HMGP LOI #: 195
Mitigation Action/Initiative: East Shore Road Storm Drainage

Assessing the Risk	
Hazard(s) addressed:	Flood, Hurricane, Nor'Easter, Severe Storm, Winter Storm
Specific problem being mitigated:	<p>East Shore Road at Harbor Hill Road experiences flooding from both stormwater runoff and storm surges during large storm events. The proposed improvements will eliminate flooding from most stormwater runoff events and reduce the length of time the road is closed during recovery from storm surges. In addition the installation of stormwater improvements at the location will reduce the flow of untreated runoff to the Huntington Harbor area improving water quality conditions.</p> <p>Presently there are no provisions to collect stormwater runoff on East Shore Road and the road is frequently flooded. This problem has existed since the early 1900's and the intensity and frequency of storm related flooding has increased. Damages include reduced accessibility to the area during flooding and reduced road life. Annual costs have not been determined and no studies have been done.</p>
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"> 1. 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The proposed mitigation involves installing drainage structures to receive stormwater runoff and reconstruction of the road to redirect stormwater away from road. These improvements will reduce road flooding during storm events.
Mitigation Action/Project Type	SIP
Objectives Met	8, 13, 14, 15, 16, 17
Applies to existing structures/infrastructure, future, or not applicable	Future
Benefits (losses avoided)	Recent Damages: \$10,000
Estimated Cost	\$100,000
Priority*	High
Plan for Implementation	
Responsible Organization	Village of Huntington Bay: Ken Lindauer, Project Engineer





Local Planning Mechanism	
Potential Funding Sources	HMGP; General fund for Local Match
Timeline for Completion	Long
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)





Prioritization

Number: Sandy HMGP LOI #: 195

Mitigation Action/Initiative: East Shore Road Storm Drainage

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	0	
Administrative	0	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	0	
Total	11	
Priority (High/Med/Low)	High	





Mitigation Action Worksheet

Please complete one sheet per action/project with as much detail as possible, using the guidance beginning on page 3 and examples provided by FEMA.

Name of Jurisdiction: Village of Huntington Bay

Number: Sandy HMGP LOI #: 363

Mitigation Action/Initiative: Road Improvements to North End of Locust Lane

Assessing the Risk	
Hazard(s) addressed:	Coastal Erosion, Flood, Hurricane, Nor'Easter, Severe Storm
Specific problem being mitigated:	The end of Locust Lane is subject to damage from wave action during both normal high tides and storm surges. During Tropical Storm Sandy, the end of Locust Lane became undermined and broke off. This condition is threatening further deterioration of both the road and neighboring seawalls. The damage has existed since Sandy. No studies have been performed. No annual cost has yet been associated with this project, but when the project is completed, it is expected to be a one time cost over its design life and is not expected to require significant annual maintenance.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. 2. 3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The mitigation plan involves reconstructing the end of Locust Lane using a reinforced concrete cap with extended front face to a depth that will not get undermined. The road in this area will also get repaved. Additionally boulders will be placed at the seaward end to dissipate wave energy and further protect the road. These actions will protect the end of the road from future wave attack and undermining.
Mitigation Action/Project Type	SIP
Objectives Met	2, 13, 14, 15, 16
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Recent Damages: \$40,000
Estimated Cost	\$40,000
Priority*	<i>High</i>
Plan for Implementation	
Responsible Organization	Village of Huntington Bay: Ken Lindauer, Project Engineer
Local Planning Mechanism	
Potential Funding Sources	HMGP; General fund for Local Match





Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (page 2)





Prioritization

Number: Sandy HMGP LOI #: 363

Mitigation Action/Initiative: Road Improvements to North End of Locust Lane

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	0	
Administrative	0	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	0	
Total	11	
Priority (High/Med/Low)	High	

