



9.9 Village of Lake Grove

This section presents the jurisdictional annex for the Village of Lake Grove.

9.9.1 Hazard Mitigation Plan Point of Contact

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

Primary Point of Contact	Alternate Point of Contact
Lee Hoeffner / Village Administrator P.O. Box 708, Lake Grove, NY 11755 (631)585-2000 x105 leeh@lakegroveny.gov	Doug Colino/ Highway Superintendent P.O. Box 708, Lake Grove, NY 11755 (631) 585-2040 dougc@lakegroveny.gov

9.9.2 Municipal Profile

This section provides a summary of the community.

Population

According to the U.S. Census, the 2010 population for the Village of Lake Grove was 11,163.

Location

The Village of Lake Grove is located along the western border of the Town of Brookhaven. The Village’s western boarder is shared with the Town of Smithtown.

Brief History

The Village of Lake Grove was settled in the early 1700’s along Middle Country Road, also known as Old King’s Highway. It became a central crossroads for the transportation of goods thereafter and proceeded to grow. The Village was variously called Lakeland, Lakeville, New Village, Ronkonkoma or West Middle Island until it settled on the name Lake Grove in mid-1800s, after the groves of trees near Lake Ronkonkoma. The Village was officially incorporated into the Town of Brookhaven on September 9, 1968.

Governing Body Format

The elected mayor and the four trustees constitute the governing body of the Village of Lake Grove and are referred to as the Village Board.

Growth/Development Trends

The only major residential development identified at this time is an approved 74 lot subdivision of which only 37 homes are built. There are no other large residential parcels available for development. A 136-unit assisted living facility was approved for development on a six acre site.

The following table summarizes major residential/commercial development and major infrastructure development that are identified for the next five (5) years in the municipality. Refer to the map in section 9.9.8 of this annex which illustrates the hazard areas along with the location of potential new development.



Table 9.9-1. Growth and Development

Property Name	Type (Residential or Commercial)	Number of Structures	Location (address and/or block/lot)	Known Hazard Zone*	Description / Status
Wildwood Oaks	Residential Subdivision	37	SCTM 208-15-2-2.xx		Approved
Bristol at Lake Grove	Assisted Living	136	SCTM 208-13-4-8.10 208-14-1-17.1, 17.2, 18,19		Approved

* Only location-specific hazard zones or vulnerabilities identified.

9.9.3 Natural Hazard Event History Specific to the Municipality

Suffolk County has a history of natural and non-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 natural events that have occurred 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 9.9-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	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

9.9.4 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 Lake Grove. 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 Lake Grove.

Table 9.9-3. Hazard Risk/Vulnerability Risk Ranking

Hazard Ranking	Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c, e}	Probability of Occurrence ^b	Risk Ranking Score (Probability x Impact)
9	Coastal Erosion	RCV in CEHA: \$0	None	0
7	Drought	Damage estimate not available	Occasional	8
5	Earthquake	500-Year MRP: \$128,618,913 2,500-Year MRP: \$2,065,631,997	Rare	16
7	Expansive Soils	Damage estimate not available	Rare	6
9	Flood	1% Annual Chance: \$0 0.2% Annual Chance: \$0	None	0
4	Groundwater Contamination (natural)	Damage estimate not available	Frequent	27
3	Hurricane	Category 1 SLOSH: \$0 Category 2 SLOSH: \$0 Category 3 SLOSH: \$0 Category 4 SLOSH: \$0	Occasional	36
8	Infestation	No measurable impact to property	Rare	3
1	Nor'Easter	100-Year RCV: \$1,725,996,479 500-Year RCV: \$1,596,906,895	Frequent	54
2	Severe Storm	100-Year RCV: \$1,725,996,479 500-Year RCV: \$1,596,906,895	Frequent	51
2	Severe Winter Storm	1% of GBS: \$31,068,901 5% of GBS: \$155,344,504	Frequent	51
3	Shallow Groundwater Flooding	Damage estimate not available	Frequent	36
6	Wildfire	Estimated RCV in Interface/Intermix: \$15,150,018	Occasional	10

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. The valuation of general building stock and loss estimates was based on the custom inventory developed for Suffolk County and probabilistic modeling results and exposure analysis as discussed in Section 5.
- c. The earthquake and hurricane wind hazards were evaluated by Census tract. The Census tracts do not exactly align with municipal boundaries; therefore, a total is reported for each Town inclusive of the Villages and the Tribes within the Town boundary.
- d. 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
- e. The estimated potential losses for Nor'Easter and Severe Storm are from the HAZUS-MH probabilistic hurricane wind model results. See footnote c.

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 9.9-4. 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)	# Policies in 500-Boundary (3)	# Policies Outside the 500-year Flood Hazard (3)
Village of Lake Grove	16	0	40	0	0	0	0	16

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): Information regarding total building and content losses was gathered 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 9.9-5. 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 identified at this time.									

Source: HAZUS-MH 2.1

Other Vulnerabilities Identified by Municipality

No additional vulnerabilities were identified by the municipality.



9.9.5 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 9.9-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Building Code	Y			Chapter 65, 11-16-78
Zoning Ordinance	Y			Chapter 175, 11-16-78
Subdivision Ordinance	Y			Chapter 159, 11-16-78
NFIP Protection Ordinance	Y			Chapter 92, 2-21-08
NFIP – Freeboard	Y	State		Stated mandated BFE+2 for single and two-family residential construction, BFE+1 for all other
Growth Management	N			
Floodplain Management / Basin Plan	N			
Stormwater Management Plan/Ordinance	N			
Comprehensive Plan / Master Plan	Y			
Capital Improvements Plan	N			
Site Plan Review Requirements	Y			Section 175-67, 11-16-78
Habitat Conservation Plan	N			
Economic Development Plan	N			
Emergency Response Plan	N			
Shoreline Management Plan	N			
Post Disaster Recovery Plan	N			
Post Disaster Recovery Ordinance	N			
Real Estate Disclosure req.	N			NYS Mandate



Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]				

Administrative and Technical Capability

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

Table 9.9-7. 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	Robert Schwartz, Planning Board Chairman
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Kevin Koubek, Village Engineer
Planners or engineers with an understanding of natural hazards	N	
NFIP Floodplain Administrator	Y	Building Inspector, John Bilello
Surveyor(s)	N	
Personnel skilled or trained in “GIS” applications	N	
Scientist familiar with natural hazards in the municipality.	N	
Emergency Manager	N	
Grant Writer(s)	N	
Staff with expertise or training in benefit/cost analysis	N	
Professionals trained in conducting damage assessments		

Fiscal Capability

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

Table 9.9-8. Fiscal Capabilities

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



Community Classifications

The table below summarizes classifications for community program available to the Village of Lake Grove.

Table 9.9-9. Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	TBD	N/A
Public Protection	TBD	N/A
Storm Ready	NP	N/A
Firewise	NP	N/A

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

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the 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 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:

The NFIP Floodplain Administrator is the Building Inspector, John Bilello.

Program and Compliance History

The Village of Lake Grove joined the NFIP on May 12, 2008, 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 92 of the local code, was last updated on February 21, 2008.



As of January 31, 2014 there are 16 policies in force, insuring \$4,226,000 of property with total annual insurance premiums of \$5,924. Since January 31, 2014, no claims have been paid totaling \$0. As of January 31, 2014 there are 1 Repetitive Loss and no Severe Repetitive Loss properties in the community.

Loss History and Mitigation

Since January 31, 2014, no claims have been paid totaling \$0. As of January 31, 2014 there are 1 Repetitive Loss and no Severe Repetitive Loss properties in the community.

Planning and Regulatory Capabilities

The communities Flood Damage Prevention Ordinance (FDPO) was last updated on February 21, 2008 and is found at Chapter 92 of the local code.

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”:

Land Use Plans – maintain the Comprehensive Plan to minimize risk in hazard areas. Updates will include a review of the HMP to ensure that hazard areas are identified in the Comprehensive Plan.

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 - 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 – the village developed and adopted an Emergency Response Plan in order to outline in detail the functions and responsibilities of each village department during a large scale natural or man-made emergency, so that response to emergencies lessens the severity of a disaster on property and the population. This plan includes many pre-event actions that both mitigate disaster losses, and directly supports recovery efforts.

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



9.9.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2008 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. 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 9.9-10. Past Mitigation Initiative Status

Description	Status	Review Comments
VLG-1: Assess and prioritize options to retrofit, acquire, or relocate structures located in hazard-prone areas to protect structures from future damage.	Ongoing	An amended version of this initiative is being carried forward in the updated strategy. Implementation is supported by specific initiatives in the updated strategy, including participation in related county-led initiatives.
VLG-2: Work together with the County and others to bring CRS training/workshops into the community where appropriate community officials and staff will actively participate	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.
VLG-3: 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.
VLG-4: Strive to maintain compliance with and good-standing in the National Flood Insurance program.	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.
VLG-5: Continue to develop, enhance and implement existing emergency plans.	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.
VLG-6: Create/enhance/ maintain mutual aid agreements with neighboring communities.	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.
VLG-7: Support County-wide initiatives identified in Section 9.1 of the County Annex.	Ongoing	A modified version of this initiative is being carried forward, identifying local participation in specific county-led mitigation programs and initiatives.
VLG-8: 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.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

No completed mitigation initiatives were identified.

Proposed Hazard Mitigation Initiatives for the Plan Update

The Village of Lake Grove 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 9.9-11 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 9.9-12 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.9-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
VLG-1 (previously VLG-7, VLG-8)	Support and participate in county led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically: <ul style="list-style-type: none"> Mitigation Education for Natural Disasters (natural hazard awareness and personal scale risk reduction/mitigation public education and outreach program) Build Local Floodplain Management and Disaster Recovery Capabilities (enhanced floodplain management, and post-disaster assessment and recovery capabilities) County-Wide Debris Management Plan Jurisdictional Knowledge of Mitigation Needs of Property Owners (improved understanding of damages and mitigation interest/activity of private property owners) Create a Multi-Jurisdictional Seismic Safety Committee in Suffolk County (build regional, county and local capabilities to manage seismic risk, both pre- and post-disaster) Alignment of Mitigation Initiatives through all levels of Government (effort to build State and Federal level recognition and support of the County and local hazard mitigation planning strategies identified in this plan). 										
	See above	Both	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 types
VLG-2 (previously VLG-1)	Assess and prioritize options to retrofit, acquire, or relocate structures located in hazard-prone areas to protect structures from future damage.	Existing	Flood, Nor'Easter, Hurricane, Severe Storm	2, 7, 13	Village	High	High	FEMA HMA Grant and Municipality operating budget for cost share	Long-term DOF	High	LPR, SIP
VLG-3 (previously VLG-2)	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 & Existing	Flood, Nor'Easter, Hurricane, Severe Storm	1,2,3,7,13	NFIP Floodplain Administrator	Medium	Low	Village Budget	Short	Low	LPR





Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
VLG-4 (new)	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	Low	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 9.9-12. 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
VLG-1 (previously VLG-7 and 8)	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities	1	1	1	1	1	1	1	0	1	1	1	1	1	1	13	High
VLG-2 (previously VLG-1)	Assess and prioritize options to retrofit, acquire, or relocate structures located in hazard-prone areas to protect structures from future damage.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Low
VLG-3 (previously VLG-2)	Work together with the County and others to bring CRS training/workshops into the community where appropriate community officials and staff will actively participate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Low
VLG-4	Work with County and PSEG (formerly LIPA) to identify roads within the municipality that	1	1	1	1	1	1	1	0	1	1	1	1	1	0	12	High





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
	are considered "critical", and to be the first priority for clearing after an event involving downed power lines.																

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.

- = Prioritization remained the same as the 2008 HMP.



9.9.7 Future Needs To Better Understand Risk/Vulnerability

None identified at this time.

9.9.8 Hazard Area Extent and Location

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

9.9.9 Additional Comments

None at this time.



Figure 9.9-1. Village of Lake Grove Hazard Area Extent and Location Map 1

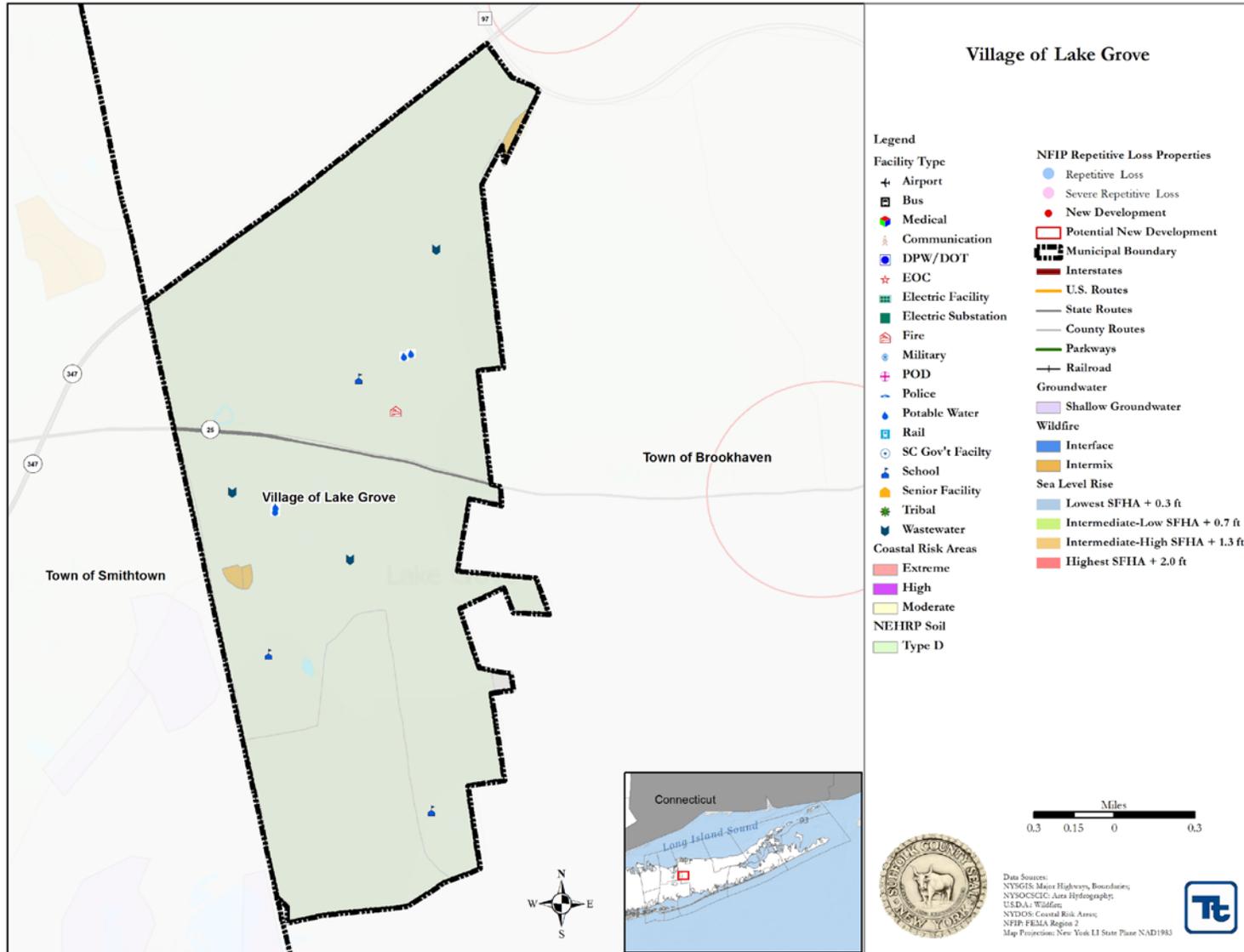




Figure 9.9-2. Village of Lake Grove Hazard Area Extent and Location Map 2

