

Village of Sands Point Annex

This document presents the Village of Sands Point’s annex to the *Nassau County Multi-Jurisdictional Hazard Mitigation Plan*.

Hazard Mitigation Plan Points of Contact

The individuals below have been identified as this jurisdiction’s points of contact for the hazard mitigation plan. These individuals are members of the Planning Committee that met regularly for the update of this plan and will continue to meet in the years ahead to implement it.

1Primary Point of Contact	Alternate Point of Contact
Liz Gaynor, Village Clerk Village of Sands Point PO Box 188 Port Washington, NY 11050 liz@sandspoint.org 516-883-3044	Peter Forman, Deputy Mayor, Police Commissioner Village of Sands Point PO Box 188 Port Washington, NY 11050 peter@sandspoint.org 516-717-0000

Profile

The Village of Sands Point covers approximately 4.24 square miles¹ and has a total population of 2,856 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Sands Point are summarized in Table 1. This information supported the development of mitigation actions that account for the needs of the most vulnerable individuals in the community.

Table 1: Village of Sands Point Demographic Information

Demographic		Demographic	
Below 5 Years Old	4.9%	Black or African American alone	1.1%
Above 65 Years Old	18.2%	American Indian and Alaska Native alone	0.0%
Individuals with Disabilities	Information not provided	Asian alone	9.5%
Persons in Poverty	1.8%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	7.1%	Two or More Races	0.6%
Without a High School Diploma	3.8%	White alone, not Hispanic or Latino, percent	85.4%

¹ This is inclusive of land area only.

Demographic		Demographic	
Without Access to Broadband Internet	0.0%	Hispanic or Latino	0.6%

In the past five years, the Village of Sands Point has seen minimal residential development, which is expected to increase in the future. Permits were granted for large-lot subdivision developments. The Village maintains zoning maps and planning teams. By understanding these development trends and how they intersect with hazard-prone areas, this allows for current and future vulnerabilities to be planned for and avoided.

Refer to the **County Profile** section of this plan for additional information related to current and future conditions of the County’s vulnerable population and the natural environment. This information provides important context for understanding hazard mitigation planning.

Hazard Vulnerability

This section summarizes how the natural hazards profiled in Section 4 of this plan impact the Village of Sands Point. The jurisdiction identified Coastal Hazards, Flooding, Hurricane, and Lightning as natural hazards that impact the community. Table 2 shows the sectors of the community that are most likely to be impacted by each hazard. The categories that were considered included the community, economy, health and social services, housing, infrastructure, natural and cultural resources, or no impact. No impact indicates that the jurisdiction did not identify a noticeable impact from the hazard over the past five years, even if the hazard occurs. Coastal Hazards, Flooding, Hurricane, and Lightning This information was used to develop a relevant and effective mitigation strategy for the jurisdiction. Detailed hazard event histories, critical facility exposure, and additional vulnerability information can be found in each hazard profile in Section 4 of this plan.

The hazards that most impact the Village of Sands Point include: **Coastal Hazards, Flooding, Hurricane, and Lightning.**

Table 2: Village of Sands Point Hazard Impacts

Hazard	Impact Categories
Coastal Hazards	Community, Economy, Housing, Infrastructure, Natural and Cultural Resources
Drought	Health and Social Services, Housing, Infrastructure
Extreme Temperatures	Health and Social Services, Housing, Infrastructure
Flooding	Community, Housing, Infrastructure, Natural and Cultural Resources
Ground Failure	No Impact
Hurricane and Tropical Storms	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources, No Impact
Hail	No Impact
Lightning	No Impact
Severe Winter Weather	Health and Social Services
Tornados	No Impact

Hazard	Impact Categories
Wind	Housing, Infrastructure

Capability Assessment

This section summarizes the capabilities that the Village of Sands Point has in place that can support hazard mitigation. These capabilities include plans, ordinances, staff, financial resources, and program participation. This Capability Assessment was used to help drive the identification and development of the projects presented in the Mitigation Strategy to make sure that they are appropriate in scope and achievable to implement.

Legal and Regulatory Capability Assessment

Table 3 lists the assessment of existing legal and regulatory tools for the Village of Sands Point. The Village of Sands Point maintains several key administrative and technical capabilities to support mitigation, including building codes, emergency response plans, open space plans, site plan review requirements, stormwater management plans, subdivision ordinances, and zoning ordinances. These capabilities are critical to consider as tools in developing and implementing mitigation strategies. To further enhance their mitigation capabilities, the Village can consider the capabilities in the table below that the Village currently does not have. These additional capabilities would either support creating a legal framework or strategy for implementing a diversity of mitigation actions.

Table 3: Village of Sands Point Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	Village of Sands Point Code Book
Capital Improvement Plan	No	
Climate Action Plan	No	
Community Development Plan	No	
Comprehensive Plan / Master Plan	No	
Economic Development Plan(s)	No	
Emergency Response Plan(s)	Yes	Annual Resolution
Floodplain Management Plan(s)	No	
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	No	
Open Space Plan(s)	Yes	Village of Sands Point Code Book
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	

Regulatory Tool	Yes / No	Citation (if applicable)
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	Village of Sands Point Code Book
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	Annual Report
Subdivision Ordinance(s)	Yes	Village of Sands Point Code Book
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	Village of Sands Point Code Book

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Sands Point. The Village of Sands Point's primary administrative and technical capabilities include an emergency manager, engineers, GIS analysts, and land development planners. The Village can bolster their capabilities in this category by identifying individuals with expertise in planning and natural hazards (specifically related to flooding).

Table 4: Village of Sands Point Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	Peter Forman Commissioner PWM OEM, Larry Balaban, Correne Martinez Administrator PWM OEM
Engineer(s) trained in construction practices related to buildings/infrastructure	Yes	Dvirka & Bartilucci
Engineer(s) with an understanding of natural and/or human caused hazards	Yes	Dvirka & Bartilucci
Engineer(s) with knowledge of land development and land management practices	Yes	West Side Engineering
Grant Writers	No	
Personnel skilled or trained in Geographic Information Systems	Yes	Brian Gunderson and Stephen Rusnak
Personnel trained in construction practices related to buildings/infrastructure	No	
Planner(s) with an understanding of natural hazards	No	

Staff / Personnel Resource	Yes / No	Details
Planner(s) with knowledge of land development and land management practices	Yes	Stephen Rusnak
Scientist(s) familiar with natural hazards	No	
Surveyors	No	

Fiscal Capability Assessment

Table 5 lists the assessment of existing fiscal tools for the Village of Sands Point. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by incurring debt through general obligation and private activity bonds, utilizing user fees for utility services, capital improvements project funding, and state mitigation grant programs. Village of Sands Point should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Sands Point Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	Yes	Bonds
Ability to incur debt through private activity bonds	Yes	Bonds
Ability to incur debt through special tax bonds	No	
Authority to levy taxes for specific purposes	No	
Authority to utilize user fees for utility services	Yes	Water
Authority to withhold public expenditures in hazard prone areas	No	
Capital improvements project funding	Yes	
Community Development Block Grants (CDBG)	No	
Impact fees for home buyers and/or developers	No	
State mitigation grant programs	Yes	

Community Classification Assessment

Table 6 lists the assessment existing community classifications for the Village of Sands Point. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Sands Point Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	No

Classification	Yes/No (or Status)
Public Protection Classification Program	No
Community Rating System (CRS)	No
Other Classifications	No

National Flood Insurance Program Summary

This section provides a summary of the floodplain management capabilities for Village of Sands Point and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP). Flood-prone areas in the Village are primarily located along the shoreline.

The Village does not currently have a designated floodplain manager. Some of the barriers to running a successful NFIP program in the Village include access to up to date information and funding. The flood maps for this jurisdiction do not accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

The Village of Sands Point is in good standing with the NFIP. Based on documentation received from NYSDEC, a compliance audit in the form of a Community Assistance Visit was conducted in the village on 09/27/2018. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Flood Damage Prevention Ordinance was last amended 07/28/2009 and can be referenced in Chapter 94, Flood Damage Prevention, adopted 7-28-2009 by LL No. 3-2009.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Sands Point. It provides an overview of the jurisdiction's previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

Previous Mitigation Actions

This jurisdiction did not participate in the 2014 hazard mitigation plan.

Proposed Mitigation Actions

Project Number	VSP_1	VSP_2	VSP_3
Project Name	Hoffstot Lane	Sands Point Bulkhead Replacement Project	Slope
Goal being met	Flooding	Coastal Hazards, Flooding	Coastal Hazards, Flooding
Hazards to be mitigated	1	1	1
Description of the Problem	The road floods due to storm-related tidal flooding in conjunction with rising water levels of adjacent marshlands and from the beach. This road is a single egress point from homes in the area and when flooded or washed out, landlocks residents of this Peninsula and traps them.	Significant shoreline erosion and risk to Village infrastructure from Long Island Sound due to wave and water action from storms in boats. Also, risk to local ecosystems from the same erosion and loss of land into Long Island sound.	Deterioration
Description of the Solution	Raise the roadway to address effects from a "25-Year" Storm. During storm events, this would prevent a washout of the road and landlocked residents. Instead, the water would go under the road to allow residents and emergency vehicles to have continuous access to homes.	Remove the old bulkhead and install a new bulkhead to prevent further erosion, in addition to reinforcing the shoreline bulkhead	Reinforce the slope phase 3
Critical Facility	No	No	No
EHP Issues	Yes	Yes	Yes
Estimated Timeline	4 years	2 years	2 years
Lead Agency	VSP	VSP	VSP
Estimated Costs	\$1000000	\$500000	\$500000
Estimated Benefits	This would increase resident safety, including increased access to homes by emergency services and providing egress to homeowners.	This would further prevent shoreline erosion which would result in a decrease in loss of useable land. In addition, it would protect facilities from being damaged due to additional erosion and corresponding bank instability.	Avoid deterioration
Potential Funding Sources	FEMA and Bonding	FEMA Mitigation and Bonding	VSP/Grant

Mitigation Action Worksheets

The following pages contain mitigation action worksheets that provide additional detail some of the jurisdiction's proposed mitigation actions.

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Inc. Village of Sands Point

NYS DHSES Action Worksheet

Project Name: Hoffstot Lane

Project Number: Leave Blank

Risk / Vulnerability

Hazard of Concern: Flooding

Description of the Problem: The road floods due to storm-related tidal flooding in conjunction with rising water levels of adjacent marshlands and from the beach. This road is a single egress point from homes in the area and when flooded or washed out, landlocks residents of this Peninsula and traps them.

Action or Project Intended for Implementation

Description of the Solution: Raise the roadway to address effects from a "25-Year" Storm. During storm events, this would prevent a washout of the road and landlocked residents. Instead, the water would go under the road to allow residents and emergency vehicles to have continuous access to homes.

Is this project related to a Critical Facility?

Yes

No

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection: 25-Year Hurricane

Estimated Benefits (losses avoided):

This would increase resident safety, including increased access to homes by emergency services and providing egress to homeowners.

Useful Life: 30 Years

Estimated Cost: 1 Million

Plan for Implementation

Prioritization: Leave Blank

Desired Timeframe for Implementation:

4 years

Estimated Time Required for Project Implementation:

4 years

Potential Funding Sources:

FEMA and Bonding

Responsible Organization: Inc. Village of Sands Point

Local Planning Mechanisms to be Used in Implementation, if any:

Three Alternatives Considered (including No Action)

Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
The Village could spend \$100 Million on buying houses from homeowners.	\$100 million		This alternative is extremely unlikely to take place given the cost – not financially feasible.
The Village could make the necessary repairs as needed (which would require purchasing boats and high-water vehicles to patrol the area during flooding).	1 million		To make the necessary repairs as well as large purchases would have to be done with the annual budget which more than likely would put the village over the tax cap.

Progress Report (for plan maintenance)

Date of Status Report:

Report of Progress:

Update Evaluation of the Problem and/or Solution:

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Incorporated Village of Sands Point ("Village")

NYS DHSES Action Worksheet

Project Name: Sands Point Bulkhead Replacement Project

Project Number: 2

Risk / Vulnerability

Hazard of Concern: Years of deterioration of the bulkhead

Description of the Problem: Significant shoreline erosion and risk to Village infrastructure from Long Island Sound due to wave and water action from storms in boats. Also, risk to local ecosystems from the same erosion and loss of land into Long Island Sound.

Action or Project Intended for Implementation

Description of the Solution: Remove the old bulkhead and install a new bulkhead to prevent further erosion.

Is this project related to a Critical Facility? Yes No

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection: 25-Year Hurricane

Useful Life: 50 Years

Estimated Cost: \$500,000

Estimated Benefits (losses avoided): This would further prevent shoreline erosion which would result in a decrease in loss of useable land. In addition, it would protect facilities from being damaged due to additional erosion and corresponding bank instability.

Plan for Implementation

Prioritization: Leave Blank

Desired Timeframe for Implementation: 2 Years

Estimated Time Required for Project Implementation: 2 Years

Potential Funding Sources: FEMA Mitigation and Bonding

Responsible Organization: Inc. Village of Sands Point

Local Planning Mechanisms to be Used in Implementation, if any:

Three Alternatives Considered (including No Action)

	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Move the Village's facilities	\$2,500,000	It would be very costly to move the buildings and pool
	Annually repair as needed	\$500,000	Annual repairs would be very costly to the annual budget

Progress Report (for plan maintenance)

Date of Status Report:

Report of Progress:

Update Evaluation of
the Problem and/or
Solution:

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