

Village of Centre Island Annex

This document presents the Village of Centre Island’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.

Primary Point of Contact	Alternate Point of Contact
Lawrence Schmidlapp, Mayor Village of Center Island 303 Centre Island Road Oyster Bay, NY 11771 larry.schmidlapp@gmail.com 516-375-3036	Michael Chalos, Deputy Mayor Village of Center Island 303 Centre Island Road Oyster Bay, NY 11771 mgchalos@gmail.com 917-744-2649

Profile

The Village of Centre Island covers approximately 1.12 square miles¹ and has a total population of 534 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Centre Island 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 Centre Island Demographic Information

Demographic		Demographic	
Below 5 Years Old	1.0%	Black or African American alone	0.4%
Above 65 Years Old	25.5%	American Indian and Alaska Native alone	0.0%
Individuals with Disabilities	Information not provided	Asian alone	6.3%
Persons in Poverty	5.7%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	6.0%	Two or More Races	0.8%
Without a High School Diploma	2.1%	White alone, not Hispanic or Latino, percent	88.5%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	0.0%

¹ This is inclusive of land area only.

The Village of Centre Island consists of waterfront property that is likely to be developed in the future. The community has seen an escalation of re-development of older homes. Despite the updates to residential property, the community is reluctant to change and expand growth across the 605 acres. The jurisdiction keeps the zoning maps and planning team up-to-date. 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 Centre Island. The jurisdiction identified coastal hazards, flooding, hurricane, severe winter weather and wind the natural hazards that most 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. 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 Centre Island include:
Coastal Hazards, Flooding, Hurricane, Severe Winter Weather, and Wind.

Table 2: Village of Centre Island Hazard Impacts

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

Capability Assessment

This section summarizes the capabilities that the Village of Centre Island 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 Centre Island. The Village of Center Island maintains several key administrative and technical capabilities to support mitigation, including building codes, stormwater management plans, subdivisional 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 Centre Island Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	General Code
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)	No	
Floodplain Management Plan(s)	No	
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	No	
Open Space Plan(s)	No	
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	No	
Small Area Development Plan(s)	No	

Regulatory Tool	Yes / No	Citation (if applicable)
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	MS4
Subdivision Ordinance(s)	Yes	Local Planning Board
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	General Code Zoning ordinances

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Centre Island. The Village of Centre Island has a high level of primary administrative and technical capabilities to support mitigation. This includes management, engineering, grant writing, GIS analyst, and planning. Increasing training capacity and expertise of these individuals will support mitigation practice in the Village.

Table 4: Village of Centre Island Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	Mayor Lawrence Schmidlapp
Engineer(s) trained in construction practices related to buildings/infrastructure	Yes	Village Engineer James Antonelli
Engineer(s) with an understanding of natural and/or human caused hazards	No	
Engineer(s) with knowledge of land development and land management practices	Yes	Building Inspector Joe Richardson
Grant Writers	Yes	currently looking
Personnel skilled or trained in Geographic Information Systems	Yes	Village Clerk- Carol Schmidlapp
Personnel trained in construction practices related to buildings/infrastructure	Yes	Building Inspector- Joe Richardson
Planner(s) with an understanding of natural hazards	No	
Planner(s) with knowledge of land development and land management practices	Yes	Jim Antonelli
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 Centre Island. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by incurring debt via general obligation bonds, levying taxes for specific purposes, and capital improvements project funding. Village of Centre Island should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Centre Island Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	Yes	
Ability to incur debt through private activity bonds	No	
Ability to incur dept through special tax bonds	No	
Authority to levy taxes for specific purposes	Yes	
Authority to utilize user fees for utility services	No	
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	No	

Community Classification Assessment

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

Table 6: Village of Centre Island Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	No
Public Protection Classification Program	No
Community Rating System (CRS)	No
Other Classifications	No

National Flood Insurance Program Summary

There are three low elevation areas in the Village that are flood-prone. All other areas are 12 feet above mean high tide. This section provides a summary of the floodplain management capabilities for Village of Centre Island and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

The Village's Building Inspector is responsible for floodplain management. One of the barriers to running a successful NFIP program in the Village is convincing landowners to participate in the NFIP program. The flood maps for this jurisdiction accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

After flood events, substantial damage determinations are made through in-person site inspections. The Village reported that one property was substantially damaged as a result of recent flood events. The Village of Centre Island is in good standing with the NFIP. Based on documentation received from NYSDEC, the Village had its last Community Assistance Contact on 12/06/2012 and its last Community Assistance Visit on 04/14/2016. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

One spot causes the main road to flood and thereby halting all traffic in and out. The Village has secured a State grant to raise this area several feet up to mitigate the potential for it to be flooded in the future. The Flood Damage Prevention Ordinance was last amended 07/08/2009 and can be referenced in § 62, Adopted 7-8-2009 by LL. No. 1-2009..

Mitigation Strategy

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

Previous Mitigation Actions

Action	Centre Island Road Flooding Mitigation - Construction of a 5ft high extension to an existing 1ft wall, and two one-way 12" diameter sluice pipes.	Generator installed at the Police Station in order to reduce impacts from flooding events.
Risk Category	Flooding	Flooding
Project Status	In progress	Completed
Project Status Description	Engineering analysis is done but additional project work is temporarily halted. Construction has not started due to logistics and the scope of the plan. After extensive engineering drawings, the owner of adjacent property refuses to lose use of his driveway for two months in order for construction to move forward.	
Carried Forward to 2020 Plan	Yes	NO
Required Changes	A better way to accomplish the end result is being studied	

Proposed Mitigation Actions

Project Number	VCI_1	VCI_2	VCI_3
Project Name	Road Elevation	Seawall Valve	Tree Maintenance Program
Goal being met	1, 3	1, 3	3, 5
Hazards to be mitigated	Flooding	Coastal Flooding	Straight-line wind, hurricane
Description of the Problem	Saltwater flooding prevents emergency vehicles from accessing the Village due to the effects of salt water on expensive fire and ambulance trucks.	Existing seawall does not provide sufficient protection from coastal flooding events.	Trees are over 100 years old and present a road hazard during high wind and rain situations several times a year.
Description of the Solution	Prevent the storm surge from breaching a flood wall and flooding the main road at its origin by elevating the road two feet for the first 400 feet.	Install a one-way valve for the seawall to support water management and limit erosion.	Develop a tree maintenance program that includes a process for hiring an arborist to evaluate trees and suggest mitigation measures to limit future damage caused by high wind that brings down limbs and trees.
Critical Facility	Yes	Yes	No
EHP Issues	Yes	No	No
Estimated Timeline	Two years	One year	One year
Lead Agency	Centre Island Department of Transportation	Village of Centre Island	Centre Island Department of Transportation
Estimated Costs	\$120000	To be determined	\$25000
Estimated Benefits	home, life safety	Protection of Facilities (Police Station); Asset Protection	Property and auto damage
Potential Funding Sources	NYS Grant	Municipal budget, NYS Grant	Municipal budget, NYS 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: Village of Centre Island, Oyster Bay, NY

NYS DHSES Action Worksheet			
Project Name:	Road Elevation		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Storm surge		
Description of the Problem:	Saltwater flooding prevents emergency vehicles from accessing the Village due to the effects of salt water on expensive fire and ambulance trucks.		
Action or Project Intended for Implementation			
Description of the Solution:	Prevent the storm surge from breaching a flood wall and flooding the main road at its origin by elevating the road two feet for the first 400 feet.		
Is this project related to a Critical Facility?	Yes	Y	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:	Storm surge	Estimated Benefits (losses avoided):	Emergency vehicle access at all times
Useful Life:	75 years		
Estimated Cost:	\$120,000		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	One year
Estimated Time Required for Project Implementation:	Two Years	Potential Funding Sources:	Possible grant from NY State for \$100,000
Responsible Organization:	Centre Island Department of Transportation	Local Planning Mechanisms to be Used in Implementation, if any:	Not available
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Raise the road 2 feet attaching all current drains	\$120,000	A resident refuses to let the construction company tie up their driveway access for a month.
	Suggested to raise the concrete wall four feet to keep water from the roadbed- use tide gates for draining.	\$110,000	Currently in the hands of Village Engineer to explore feasibility
Progress Report (for plan maintenance)			
Date of Status Report:	7/15/2020		
Report of Progress:	Awaiting feasibility study- already spent \$15,000 on road raising surveys so back to square one.		
Update Evaluation of the Problem and/or Solution:	Raising the road allows for a longer lasting solution but raising the height of the wall seems to be the only option.		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Centre Island, Oyster Bay, NY

NYS DHSES Action Worksheet			
Project Name:	Tree Maintenance Program		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Straight-line winds, hurricanes		
Description of the Problem:	Trees are over 100 years old and present a road hazard during high wind and rain situations several times a year. Many large oaks and elm trees are diseased and that causes branches to fall on the road during storms.		
Action or Project Intended for Implementation			
Description of the Solution:	Develop a tree maintenance program that employs an arborist to evaluate tree conditions and advise which need to be cut to avoid dangerous travel on the roads.		
Is this project related to a Critical Facility?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
(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:	Protects against storm events that occur frequently (multiple times per year.)	Estimated Benefits (losses avoided):	Property and auto damage
Useful Life:	10 years		
Estimated Cost:	\$25,000		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	ASAP
Estimated Time Required for Project Implementation:	One Year	Potential Funding Sources:	Not sure, but ongoing maintenance can be budgeted yearly.
Responsible Organization:	Village Department of Transportation	Local Planning Mechanisms to be Used in Implementation, if any:	None
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	Deal with trees after they fall
	Remove sick or dangerous specimens	\$25,000	If funding impossible, do work over a three-year period.
	Wait until they fall hopefully not causing any damage to vehicles	\$5,000	Being considered now as a fall back.
Progress Report (for plan maintenance)			
Date of Status Report:	7/15/2020		
Report of Progress:	Only have initial review of tree health.		
Update Evaluation of the Problem and/or Solution:	A continuing issue due to the wooded nature of this Island. There just isn't enough room in the budgeting process to resolve the issue so let nature take its course.		