# Village of Oyster Bay Cove Annex

This document presents the Village of Oyster Bay Cove'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 |
|---|---|
| Charles Goulding, Mayor<br>Village Of Oyster Bay Cove<br>68 West Main Street<br>PO Box 66<br>Oyster Bay, NY 11771<br>oysterbaycove@optonline.net<br>516-922-1016 | Ted Von Briesen, Public Works Commissioner<br>Village Of Oyster Bay Cove<br>68 West Main Street<br>PO Box 66<br>Oyster Bay, NY 11771<br>oysterbaycove@optonline.net<br>516-922-1016 |

## Profile

The Village of Oyster Bay Cove covers approximately 4.20 square miles[1] and has a total population of 2,140 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Oyster Bay Cove 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 Oyster Bay Cove Demographic Information*

| Demographic | | Demographic | |
|---|---|---|---|
| Below 5 Years Old | 3.2% | Black or African American alone | 2.7% |
| Above 65 Years Old | 20.0% | American Indian and Alaska Native alone | 0.0% |
| Individuals with Disabilities | Information not provided | Asian alone | 9.4% |
| Persons in Poverty | 0.4% | Native Hawaiian and other Pacific Islander alone | 0.0% |
| Renters | 6.3% | Two or More Races | 0.6% |
| Without a High School Diploma | 1.5% | White alone, not Hispanic or Latino, percent | 80.9% |

[1] This is inclusive of land area only.

| Demographic | | Demographic | |
|---|---|---|---|
| Without Access to Broadband Internet | 0.0% | Hispanic or Latino | 1.7% |

The growth trends in the Village include residential renovations, as well as reconstruction with ongoing new single-family homes construction and lot partitioning. The Village of does not zone in floodplains or wetlands. 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 Oyster Bay Cove. The jurisdiction identified Coastal Hazards, Flooding, and Hurricane 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. 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 Oyster Bay Cove include: **Coastal Hazards, Flooding, and Hurricane.**

*Table 2: Village of Oyster Bay Cove Hazard Impacts*

| Hazard | Impact Categories |
|---|---|
| Coastal Hazards | No Impact |
| Drought | No Impact |
| Extreme Temperatures | No Impact |
| Flooding | Infrastructure |
| Ground Failure | No Impact |
| Hurricane and Tropical Storms | No Impact |
| Hail | No Impact |
| Lightning | No Impact |
| Severe Winter Weather | Infrastructure |
| Tornados | No Impact |
| Wind | Natural Cultural Resources |

# Capability Assessment

This section summarizes the capabilities that the Village of Oyster Bay Cove 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 Oyster Bay Cove. The Village maintains several key administrative and technical capabilities to support mitigation, including building codes, capital improvement plans, emergency response plans, floodplain management plans, NFIP flood damage prevention ordinances, site plan review requirements, special purpose ordinances, 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 Oyster Bay Cove Existing Legal and Regulatory Capabilities*

| Regulatory Tool | Yes / No | Citation (*if applicable*) |
|---|---|---|
| Access and Functional Needs Plan | No | |
| Building Code | Yes | 2020 Codes of NY State Based on ICC |
| Capital Improvement Plan | Yes | Capital Improvement Budget |
| Climate Action Plan | No | |
| Community Development Plan | No | |
| Comprehensive Plan / Master Plan | No | |
| Economic Development Plan(s) | No | |
| Emergency Response Plan(s) | Yes | Village Code Chaper 22 |
| Floodplain Management Plan(s) | Yes | Village Code Chaper 320 |
| Growth Management Plan(s) | No | |
| NFIP Flood Damage Prevention Ordinance(s) | Yes | Village Code Chaper 320 |
| 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) | Yes | Village Code Chaper 264 |

| Regulatory Tool | Yes / No | Citation (*if applicable*) |
|---|---|---|
| Small Area Development Plan(s) | No | |
| Special Purpose Ordinance(s) | No | |
| Stormwater Management Plan(s) | Yes | VILLAGE CODE 283 |
| Subdivision Ordinance(s) | Yes | VILLAGE CODE 283 |
| Transportation Plan(s) | No | |
| Zoning Ordinance(s) | Yes | VILLAGE CODE CHAPTER 320 |

## Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Oyster Bay Cove. The Village of Oyster Bay Cove's primary administrative and technical capabilities include an emergency manager, engineers, a GIS analyst, and a construction practices personnel. The Village can bolster their capabilities in this category by identifying individuals with expertise in land use and natural hazards (specifically related to flooding).

*Table 4: Village of Oyster Bay Cove Existing Staff / Personnel Resource*

| Staff / Personnel Resource | Yes / No | Details |
|---|---|---|
| Emergency Manager(s) | Yes | Seth Lubln, Emergency Management Officer and Ted Von Briesen Public Works |
| Engineer(s) trained in construction practices related to buildings/infrastructure | Yes | Westside Engineering |
| 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 | Westside Engineering |
| Grant Writers | No | |
| Personnel skilled or trained in Geographic Information Systems | No | |
| Personnel trained in construction practices related to buildings/infrastructure | Yes | Westside Engineering and Building Dept |
| Planner(s) with an understanding of natural hazards | No | |
| Planner(s) with knowledge of land development and land management practices | No | |
| 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 Oyster Bay Cove. Funding is often the biggest barrier when implementing mitigation programs. The Village identified no fiscal capabilities to support mitigation. Village of Oyster Bay Cove should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

*Table 5: Village of Oyster Bay Cove Existing Fiscal Capabilities*

| Resources | Yes / No | Additional Details |
|---|---|---|
| Ability to incur debt through general obligation bonds | No | |
| 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 | No | |
| Authority to utilize user fees for utility services | No | |
| Authority to withhold public expenditures in hazard prone areas | No | |
| Capital improvements project funding | No | Capital Improvement Budget |
| 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 Oyster Bay Cove. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

*Table 6: Village of Oyster Bay Cove 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

This section provides a summary of the floodplain management capabilities for Village of Oyster Bay Cove and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP). Some coastal flooding can occur in the Village of Oyster Bay Cove along the Long Island Sound.

The Village's Building Inspector is responsible for floodplain management. The NFIP is administered in the Village through the review of site plans and issuance of building permits. The Village did not note any current barriers to running a successful NFIP program. There are currently no RiskMAP projects ongoing in this jurisdiction.

The Village of Oyster Bay Cove 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 09/26/2016. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Flood Damage Prevention Ordinance was last amended 07/21/2009 and can be referenced in Article XI, Zoning, L.L. No. 1-2009.

# Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Oyster Bay Cove. 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 | VOBC_1 | VOBC_2 | VOBC_3 |
|---|---|---|---|
| Project Name | Swiftreach System Mitigation Outreach Program | Village Shoreline Protection | Tree Maintenance Program |
| Goal being met | 2, 4 | 1, 2, 3 | 3, 5 |
| Hazards to be mitigated | All Natural hazards | Erosion, Flooding, Sea Level Rise, Severe Wind, Severe Winter Weather, Storm Surge | Straight-line wind, hurricane |
| Priority Ranking | High | High | High |
| Description of the Problem | There is currently not a comprehensive system in place to keep residents informed during natural disasters and emergencies, including severe storms, severe winter weather, hurricanes, flooding, etc. | Erosion along Oyster Bay Harbor at Landing Road causes damage to property and the shoreline. | Trees in the community present hazards to roads, residents and facilities during high wind and rain situations several times a year. Just recently, in August 2020 Tropical Storm Isaias caused many trees and large limbs to fall in our Village. In addition to the potential threat of falling on property or an individual, the down trees were in the middle of streets which hinder access by Emergency Vehicles. In addition, the down trees caused Electrical wires to come down. Many of our residents were without electrical power for a week. |
| Description of the Solution | Implement the Swiftreach Mitigation Outreach Program to inform Village residents about mitigation best practices using the Swiftreach System. | Structural shoreline protection with hardscape such as seawall or boulders. | Develop a tree maintenance program that includes the to evaluation of trees on a regular basis and suggest mitigation measures to limit future damage caused by high wind that brings down limbs and trees. |
| Critical Facility | No | No | No |

| | | | |
|---|---|---|---|
| **EHP Issues** | No | Yes | No |
| **Estimated Timeline** | 1 Year | 5 Years | 1 Year |
| **Lead Agency** | Village | Village | Village |
| **Estimated Costs** | $60,000 | $100,000 - $150,000 | $25,000 |
| **Estimated Benefits** | Avoid residents' injury or harm and protection of property during natural disasters, | Prevention of loss of property and damage to the shoreline | Property, building, infrastructure, and vehicle damage, as well as life safety. |
| **Potential Funding Sources** | NYS,<br>Federal funding, or<br>Village budget | NYS,<br>Federal funding, or<br>Village budget | 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 Oyster Bay Cove

| NYS DHSES Action Worksheet | | | |
|---|---|---|---|
| Project Name: | Swiftreach System Mitigation Outreach Program | | |
| Project Number: | VOBC_1 | | |
| **Risk / Vulnerability** | | | |
| Hazard of Concern: | All Natural Hazards | | |
| Description of the Problem: | There is currently not a comprehensive system in place to keep residents informed during natural disasters and emergencies, including severe storms, severe winter weather, hurricanes, flooding, etc. | | |
| **Action or Project Intended for Implementation** | | | |
| Description of the Solution: | Implement the Swiftreach Mitigation Outreach Program to inform Village residents about mitigation best practices using the Swiftreach System. | | |
| Is this project related to a Critical Facility? | Yes | | No X |
| (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: | During all natural hazards | Estimated Benefits (losses avoided): | Avoid residents' injury or harm and protection of property during natural disasters, |
| Useful Life: | 10 Years (to be reassessed) | | |
| Estimated Cost: | $60,000 | | |
| **Plan for Implementation** | | | |
| Prioritization: | High | | |
| Estimated Time Required for Project Implementation: | Ongoing | Potential Funding Sources: | NYS, Federal funding, or Village budget |
| Responsible Organization: | Village | Local Planning Mechanisms to be Used in Implementation, if any: | None |

| Three Alternatives Considered (including No Action) | | | |
|---|---|---|---|
| Alternatives: | *Action* | *Estimated Cost* | *Evaluation* |
| | No Action | $0 | No outreach to residents |
| | Email signup | $10,000 | Not all residents are reached |
| | Social media Account | $10,000 | Not as effective as Swiftreach, as fewer residents would be informed |

| Progress Report (for plan maintenance) | |
|---|---|
| Date of Status Report: | |
| Report of Progress: | |
| Update Evaluation of the Problem and/or Solution: | |

# Instructions

(Name of Jurisdiction)

| NYS DHSES Action Worksheet | | | |
|---|---|---|---|
| Project Name: | Each action must have a unique project number referenced here and in the Action Tables. | | |
| Project Number: | Each action must have a unique project name referenced here and in the Action Tables. | | |
| **Risk / Vulnerability** | | | |
| Hazard of Concern: | Identify the hazard being addressed with this action. | | |
| Description of the Problem: | Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site. | | |
| **Action or Project Intended for Implementation** | | | |
| Description of the Solution: | Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies). | | |
| 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: | Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood. | Estimated Benefits (losses avoided): | Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided. |
| Useful Life: | Identify the number of years the project will provide protection against the hazard. | | |
| Estimated Cost: | Identify all estimated costs associated with implementation. | | |
| **Plan for Implementation** | | | |
| Prioritization: | Identify the priority based on the prioritization method agreed upon. | Desired Timeframe for Implementation: | Identify the desired start time for this project. Ex. Within 6 months. |
| Estimated Time Required for Project Implementation: | Provided the estimated time required to complete the project from start to end. | Potential Funding Sources: | Multiple sources of potential funding should be listed when appropriate. |
| Responsible Organization: | Identify the name of a department or agency responsible for implementation, not the jurisdiction. | Local Planning Mechanisms to be Used in Implementation, if any: | Consider the use of local planning mechanisms that will be used to implement this project. |
| **Three Alternatives Considered (including No Action)** | | | |
| Alternatives: | *Action* | *Estimated Cost* | *Evaluation* |
| | No Action | $0 | |
| | Alternative 1 Brief Description | | Include a description of pros/cons of Alternative 1. |
| | Alternative 2 Brief Description | | Include a description of pros/cons of Alternative 2. |
| **Progress Report (for plan maintenance)** | | | |
| Date of Status Report: | This section should be completed during plan maintenance/evaluation. | | |
| Report of Progress: | Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why. | | |
| Update Evaluation of the Problem and/or Solution: | Provide an updated description of the problem and solution, and what has happened since initial consideration/development. | | |

**Nassau County Multi-Jurisdictional Hazard Mitigation Plan**

**Name of Jurisdiction: Village of Oyster Bay Cove**

| NYS DHSES Action Worksheet | | | |
|---|---|---|---|
| Project Name: | Tree Maintenance Program | | |
| Project Number: | VOBC_3 | | |
| **Risk / Vulnerability** | | | |
| Hazard of Concern: | Straight-line wind, hurricane | | |
| Description of the Problem: | Trees in the community present hazards to roads, residents and facilities during high wind and rain situations several times a year. Just recently, in August 2020 Tropical Storm Isaias caused many trees and large limbs to fall in our Village. In addition to the potential threat of falling on property or an individual, the down trees were in the middle of streets which hinder access by Emergency Vehicles. In addition, the down trees caused Electrical wires to come down. Many of our residents were without electrical power for a week. | | |
| **Action or Project Intended for Implementation** | | | |
| Description of the Solution: | Develop a tree maintenance program that includes the to evaluation of trees on a regular basis and suggest mitigation measures to limit future damage caused by high wind that brings down limbs and trees. | | |
| Is this project related to a Critical Facility? | Yes | | No X |
| (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: | Reduction in damages from annual wind events (at a minimum). | Estimated Benefits (losses avoided): | Property, building, infrastructure, and vehicle damage, as well as life safety. |
| Useful Life: | 20-30 years | | |
| Estimated Cost: | $25,000 | | |
| **Plan for Implementation** | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | 1-2 years |
| Estimated Time Required for Project Implementation: | 6 months | Potential Funding Sources: | Municipal budget, NYS Grant |
| Responsible Organization: | Village of Oyster Bay Cove | Local Planning Mechanisms to be Used in Implementation, if any: | |
| **Three Alternatives Considered (including No Action)** | | | |
| Alternatives: | *Action* | *Estimated Cost* | *Evaluation* |
| | No Action | $0 | |
| | Conduct one-time removal of sick and hazardous trees. | $25,000-$50,000 | Does not provide sustained risk-reduction. |
| | Enact policies encouraging wind-resistant tree plantings. | Unknown / Staff Time | Feasibility is unclear; would not reduce risk from existing trees. |
| **Progress Report (for plan maintenance)** | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |

**Instructions**

(Name of Jurisdiction)

| NYS DHSES Action Worksheet | | | |
|---|---|---|---|
| Project Name: | Each action must have a unique project number referenced here and in the Action Tables. | | |
| Project Number: | Each action must have a unique project name referenced here and in the Action Tables. | | |
| **Risk / Vulnerability** | | | |
| Hazard of Concern: | Identify the hazard being addressed with this action. | | |
| Description of the Problem: | Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site. | | |
| **Action or Project Intended for Implementation** | | | |
| Description of the Solution: | Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies). | | |
| 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: | Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood. | Estimated Benefits (losses avoided): | Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided. |
| Useful Life: | Identify the number of years the project will provide protection against the hazard. | | |
| Estimated Cost: | Identify all estimated costs associated with implementation. | | |
| **Plan for Implementation** | | | |
| Prioritization: | Identify the priority based on the prioritization method agreed upon. | Desired Timeframe for Implementation: | Identify the desired start time for this project. Ex. Within 6 months. |
| Estimated Time Required for Project Implementation: | Provided the estimated time required to complete the project from start to end. | Potential Funding Sources: | Multiple sources of potential funding should be listed when appropriate. |
| Responsible Organization: | Identify the name of a department or agency responsible for implementation, not the jurisdiction. | Local Planning Mechanisms to be Used in Implementation, if any: | Consider the use of local planning mechanisms that will be used to implement this project. |
| **Three Alternatives Considered (including No Action)** | | | |
| Alternatives: | *Action* | *Estimated Cost* | *Evaluation* |
| | No Action | $0 | |
| | Alternative 1 Brief Description | | Include a description of pros/cons of Alternative 1. |
| | Alternative 2 Brief Description | | Include a description of pros/cons of Alternative 2. |
| **Progress Report (for plan maintenance)** | | | |
| Date of Status Report: | This section should be completed during plan maintenance/evaluation. | | |
| Report of Progress: | Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why. | | |
| Update Evaluation of the Problem and/or Solution: | Provide an updated description of the problem and solution, and what has happened since initial consideration/development. | | |