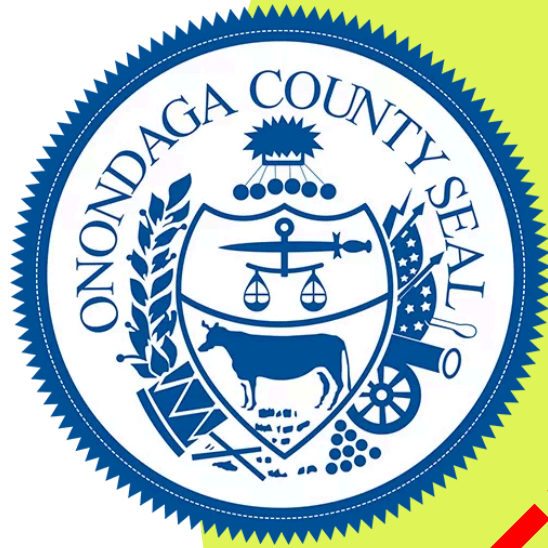


2025 Hazard Mitigation Plan

Onondaga County,
New York

**Village of Camillus
Annex**



DRAFT



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This Annex details the hazard mitigation elements specific to the Village of Camillus, a participating jurisdiction to the 2025 Onondaga County Hazard Mitigation Plan update. This Annex is not intended to be a standalone document but supplements the information contained in **Volume 1 (Countywide Planning Elements)**. Therefore, all sections of **Volume 1** including the planning process, hazard identification and risk assessment, mitigation strategy (includes mitigation goals and objectives), and plan maintenance apply to and were met by the Village of Camillus. This Annex provides additional information specific to the Village, with a focus on providing additional details on the hazard risk assessment and mitigation strategy (i.e., mitigation actions) for this community.

1. HAZARD MITIGATION LOCAL PLANNING TEAM

The following individuals have been identified as the Village of Camillus Local Planning Team for the 2025 Onondaga County Hazard Mitigation Plan. These individuals participated in all aspects of the planning process and developed a risk and vulnerability assessment, capability assessment, and mitigation strategy (including mitigation actions) specific to the jurisdiction.

Name	Title	Department
Richard Waterman	Mayor	Village Board of Trustees
Carrie Grooms	Village Clerk	Village Board of Trustees

2. MUNICIPAL PROFILE

The Village of Camillus lies in the south central portion of the Town of Camillus and has a total area of 0.4 square miles. *The Town of Camillus has developed its own dedicated annex as part of this Plan.* The Village is situated in a picturesque location in the valley of Nine Mile Creek. It is on the "Old Road," or the Auburn branch of the New York Central Railroad, nine (9) miles from the City of Syracuse. A "side cut" or "feeder" of the Erie Canal extends to the Village, and the Nine Mile Creek supplies an excellent water supply, which attracted settlers and began to be utilized for mill purposes at an early period. Camillus is southwest of Onondaga Lake, and it is east of New York State Route 5 and New York State Route 174.

2.1. Population

In 2023, the Village of Camillus had a population of 1,333, a 11.6% increase from the estimated 2018 population of 1,194. **Table 1** summarizes population distribution between 2010 and 2023, and the percentage of the 2023 population that is under five (5) years old, over 65 years old, and living below poverty level.

Table 1. Population Trends

Population				Underserved Population		
2010 ¹	2018 ²	2023 ³	Population Change (2018 – 2023)	Youth ³ (Under 5 years old)	Elderly ³ (Over 65 years old)	Below Poverty Level ⁴
1,208	1,194	1,333	11.6%	6.8%	22.7%	10.5%

¹ United States Census Bureau. (2010). DP05: ACS Demographic and Housing Estimates (2010: 5-Year Estimates Data Profiles). Retrieved from <https://data.census.gov/table/ACSDP5Y2010.DP05?g=160XX00US3611902>.

² United States Census Bureau. (2018). DP05: ACS Demographic and Housing Estimates (2018: 5-Year Estimates Data Profiles). Retrieved from <https://data.census.gov/table/ACSDP5Y2018.DP05?g=160XX00US3611902>.

³ United States Census Bureau. (2023). DP05: ACS Demographic and Housing Estimates (2023: 5-Year Estimates Data Profiles). Retrieved from <https://data.census.gov/table/ACSDP5Y2023.DP05?g=160XX00US3611902>.

⁴ United States Census Bureau. (2023). S1701: Poverty Status in the Past 12 Months (2023: 5-Year Estimates Subject Tables). Retrieved from <https://data.census.gov/table/ACSST5Y2023.S1701?g=160XX00US3611902>.



2.2. History and Cultural Resources

The Village of Camillus was part of the former Central New York Military Tract. It is one of the first locations settled in the town, around 1790. The completion of the North Seneca Turnpike and the contemporary development of the neighboring plaster beds provided the initial significant boost for the growth of the Village. The Village of Camillus was, for many years, a center with great activity and promised a brilliant future. It was an important grain market and shipping point, due to the Village's proximity to the Canal, and the volume of business transactions reached extensive proportions. In 1852, the Village received corporate privileges and a protest against the Fugitive Slave Law was formulated in the Village.

3. GROWTH/DEVELOPMENT TRENDS

Understanding development trends can help evaluate whether the jurisdiction's vulnerability has increased, decreased, or remained the same. **Table 2** summarizes the total housing units built in the Village of Camillus between 2019 and 2023.⁵

Table 2. Housing Units Built (2019 – 2023)

Type	2019	2020	2021	2022	2023
Single-Family Units	0	0	0	0	1
Multi-Family Units	0	0	0	0	0
2-Family Units	0	0	0	0	0
3-Family Units	0	0	0	0	0
Apartment Units	0	0	0	0	0
Total Units	0	0	0	0	1

The Onondaga County Housing Needs Assessment, a component of the County's Comprehensive Plan, explores the County's housing market and its challenges in greater depth and argues that one of the County's greatest housing needs is an improved approach to land use planning. In the Assessment, it is stated that there are similarities and affinities between certain groups of municipalities. Therefore, the County was sub-divided into seven (7) sub-regions, each of which covers multiple municipalities. The municipalities within each sub-region, share sufficient geographic and market characteristics to be treated as a single place for purposes of further understanding the county housing market.

The Village of Camillus is in the Outer Ring West sub-region. This sub-region has a larger proportion of non-elderly married couple families (38%). Total household growth between 2000 and 2020 was 13.7% (the average of all the County towns/villages was 12.0%). If demand continues to grow in the County, Outer Ring West is well positioned to capture a share of the growth. Overbuilding of typical single-family for sale products is a potential threat to market health as household growth tilts in the direction of rental while the growth in owner households comes from smaller and older households. Under a low growth scenario, it is likely that Outer Ring West would see a decrease in the total number of homeowners and a growing number of renter households. It is also likely that some conversion of owner-occupied houses to rental could occur. Market changes would happen gradually, with strong areas remaining strong for longer, and new single-family development would maintain a feeling of growth and success if it occurs. The degree and speed of stagnation, and possible market decline, would be dependent on the amount of typical sprawling ownership housing development in the County. The greater the number of units built for the ownership market, the higher the risk of rental conversion or vacancy of formerly owner-occupied houses.

⁵ Data provided by the Onondaga County Department of Planning based on Real Property Data (2024).



Table 3 summarizes major recent residential/commercial development (in the past five (5) years), and any known or anticipated major residential/commercial development and major infrastructure development, as of December 2024, that is likely to occur within hazard prone areas in the next five (5) years.

Table 3. Growth and Development

Property or Development Name	Location	Type (e.g., residential, commercial)	# of Units/ Structures	Known Hazard Zone(s)	Status of Development
Recent Development in the Past Five (5) Years (2019 – 2024)					
Camillus Mills (Phase 2)	52 Genesee Street Camillus, NY 13031	Residential	46	Flood	Complete
Known or Anticipated Development in the Next Five (5) Years (2024 – 2029)					
Camillus Mills (Phase 3)	Genesee Street Camillus, NY 13031	Residential	27	Flood	Planning Stage
Byrne Dairy	5600 Newport Road Camillus, NY 13031	Commercial	1	Flood	Planning Stage

3.1. Changes in Priority

The overall hazard mitigation priorities have not significantly changed for the Village of Camillus since the last Plan update. However, mitigation actions from the previous Plan were updated, and a more concerted effort on achieving equitable outcomes for all communities, including underserved communities and socially vulnerable populations, has been implemented.

4. CAPABILITY ASSESSMENT

Federal regulations require hazard mitigation plans to identify goals for reducing long-term vulnerabilities to the identified hazards in the planning area (Section 201.6(c)(3)(i)). A critical step in the development of specific hazard mitigation actions and projects is assessing existing authorities, policies, programs, and resources and capabilities to use or modify local tools to reduce losses and vulnerability from profiled hazards.

A capability assessment was conducted for the Village of Camillus' authorities, policies, programs, and resources. Goals and mitigation actions were developed using input from this assessment. Information regarding the Village's implementation of and continued participation in the National Flood Insurance Program (NFIP) can be found in Section 5 of this Annex.

The Local Planning Team assessed the Village's capabilities that can contribute to the reduction of long-term vulnerabilities to hazards. The capabilities include the following categories:

- Planning and Regulatory Capabilities
- Administrative and Technical Capabilities
- Fiscal Capabilities
- Education and Outreach Capabilities

Additionally, ways to expand on and improve these existing policies and programs to integrate hazard mitigation into the day-to-day activities and programs of the Village were considered.



4.1. Planning and Regulatory Capabilities

Table 4 includes local ordinances, policies, and laws to manage growth and development (e.g., land use plans, capital improvement plans, transportation plans, emergency preparedness and response plans, building codes, and zoning ordinances).

Table 4. Planning and Regulatory Tools

Capability Category	Yes/No	Authority (local, county, state, federal)	Responsible Department/ Agency	Code Citation and Comments (e.g., Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Comprehensive Plan	Yes	Local	Board of Trustees	Under development
Capital Improvements Plan	No	N/A	N/A	N/A
Floodplain Management / Basin Plan	No	N/A	N/A	N/A
Stormwater Management Plan	Yes	Local	Department of Public Works	Member of the Central New York (CNY) Stormwater Coalition
Open Space Plan	No	N/A	N/A	N/A
Stream Corridor Management Plan	No	N/A	N/A	N/A
Watershed Management or Protection Plan	No	N/A	N/A	N/A
Economic Development Plan	No	N/A	N/A	N/A
Comprehensive Emergency Management Plan	No	N/A	N/A	N/A
Emergency Operation Plan	No	N/A	N/A	N/A
Evacuation Plan	No	N/A	N/A	N/A
Post-Disaster Recovery Plan	No	N/A	N/A	N/A
Transportation Plan	No	N/A	N/A	N/A
Strategic Recovery Planning Report	No	N/A	N/A	N/A
Climate Adaptation Plan	No	N/A	N/A	N/A
Resilience Plan	No	N/A	N/A	N/A
Regulatory Capability				
Building Code	Yes	State, Local	Code Enforcement Office	Chapter 16 of the New York State Building Code Chapter 53 of the Village Code



Capability Category	Yes/No	Authority (local, county, state, federal)	Responsible Department/ Agency	Code Citation and Comments (e.g., Code Chapter, name of plan, explanation of authority, etc.)
Zoning Ordinance	Yes	Local	Code Enforcement Office	Chapter 110 of the Village Code
Subdivision Ordinance	Yes	Local	Code Enforcement Office	Chapter 65-10 of the Village Code
NFIP Flood Damage Prevention Ordinance	Yes	Local	Code Enforcement Office	Chapter 63 of the Village Code
NFIP: Cumulative Substantial Damages	No	N/A	N/A	N/A
NFIP: Freeboard	Yes	State, Local	Code Enforcement Office	Chapter 16 of the New York State Building Code State mandated two (2) feet above the BFE for all construction, both residential and non-residential.
Growth Management Ordinances	No	N/A	N/A	N/A
Site Plan Review Requirements	Yes	Local	Village Board of Trustees	Chapter 65-11 of the Village Code
Stormwater Management Ordinance	Yes	Local	Department of Public Works	Chapter 65 of the Village Code
Municipal Separate Storm Sewer System (MS4)	Yes	Local	Department of Public Works	Permits are required for stormwater discharges from MS4s in urbanized areas and for construction activities disturbing one (1) or more acres. The Town has been automatically designated as a regulated MS4 and required to develop a comprehensive stormwater management program. Chapter 64 of the Village Code
Natural Hazard Ordinance	No	N/A	N/A	N/A
Post-Disaster Recovery Ordinance	No	N/A	N/A	N/A
Real Estate Disclosure Requirement	Yes	State	New York State Department of State, Real Estate Agent	New York Code – Article 14 §460-467 (Property Condition Disclosure Act)
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	No	N/A	N/A	N/A



4.2. Administrative and Technical Capabilities

The administrative and technical capabilities, listed in **Table 5**, include community (i.e., public and private) staff and their skills and tools, which can be used for mitigation planning and implementation. This capability includes engineers, planners, emergency managers, Geographic Information System (GIS) analysts, building inspectors, grant writers, and floodplain managers. Small communities may rely on other government entities, such as counties or special districts, for resources.

Table 5. Administrative and Technical Capabilities

Capability	Yes/No	Position/Department/Agency
Administrative Capability		
Planning Board	Yes	Village Board of Trustees
Mitigation Planning Committee	Yes	Village Engineer, Code Enforcement Office
Environmental Board/Commission	No	N/A
Open Space Board/Committee	No	N/A
Economic Development Commission/Committee	No	N/A
Maintenance programs to reduce risk	Yes	Code Enforcement Officer, Code Enforcement Office
Mutual aid agreements	Yes	Mayor, Village Board of Trustees Code Enforcement Officer, Code Enforcement Office
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Code Enforcement Officer, Code Enforcement Office
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Code Enforcement Officer, Code Enforcement Office Village Engineer, Code Enforcement Office
Planners or engineers with an understanding of natural hazards	Yes	Code Enforcement Officer, Code Enforcement Office Village Engineer, Code Enforcement Office
NFIP Floodplain Administrator	Yes	Code Enforcement Officer, Code Enforcement Office
Surveyor(s)	No	N/A
Personnel skilled or trained in GIS applications	Yes	Code Enforcement Officer, Code Enforcement Office Village Engineer, Code Enforcement Office
Scientist familiar with natural hazards	No	N/A
Warning systems/services	Yes	Onondaga County Emergency Communications (911) Village Text Alerts (TextMyGov)
Emergency Manager	Yes	Police Chief, Police Department
Grant writer(s)	Yes	Village Engineer, Code Enforcement Office Village Clerk, Village Board of Trustees
Staff with expertise or training in benefit/cost analysis	Yes	Village Engineer, Code Enforcement Office



Capability	Yes/No	Position/Department/Agency
Professionals trained in conducting damage assessments	Yes	Village Engineer, Code Enforcement Office

4.3. Fiscal Capabilities

Table 6 contains a list of fiscal capabilities available to the Village that may be used to implement mitigation activities to reduce risk and enhance resiliency. This capability includes available funding sources from local budgets, state and federal grants, potential cost-sharing arrangements with private entities, existing insurance policies, and the ability to generate additional revenue through fees and bonds related to mitigation.

Table 6. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Federal Hazard Mitigation Assistance Program (<i>i.e.</i> , <i>Hazard Mitigation Grant Program (HMGP), HMGP Post Fire, Building Resilient Infrastructure and Communities (BRIC), Flood Mitigation Assistance (FMA) Program</i>)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	Yes
Withhold public expenditures in hazard-prone areas	No
Other federal or state funding programs	Yes
Open Space Acquisition funding programs	No

4.4. Education and Outreach Capabilities

Table 7 lists the Village's education and public outreach capabilities that can be used to inform residents about potential hazards, educate on mitigation strategies, and encourage proactive actions to reduce the community's impacts to disasters. These capabilities include fire safety programs, hazard awareness campaigns, public information, and communications offices.

Table 7. Education and Outreach Resources

Resource	Yes/No	Position/Department/Agency
Public Information Officer	Yes	Village Clerk, Village Board of Trustees
Personnel skilled or trained in website development	Yes	Village Clerk, Village Board of Trustees



Resource	Yes/No	Position/Department/Agency
Hazard mitigation information available on the jurisdiction's website	Yes	Village Clerk, Village Board of Trustees
Utilize social media for hazard mitigation education	Yes	Village Clerk, Village Board of Trustees <i>Facebook:</i> facebook.com/OfficialVillageofCamillus/
Citizen boards or commissions that address issues related to hazard mitigation	No	N/A
Other programs already in place that could be used to communicate hazard-related information	Yes	Village Clerk, Village Board of Trustees
An established warning system for hazard events	Yes	Onondaga County Emergency Communications (911) Village Text Alerts (TextMyGov)

4.5. Community Classifications

The community classification relates 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 (i.e., preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. **Table 8** summarizes classifications for community programs available to the Village of Camillus.

Table 8. Community Classifications

Program	Yes/No	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	Class 4	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	Class 4	-
New York State Department of Environmental Conservation Climate Smart Community	No	N/A	N/A
Storm Ready Certification	No	N/A	N/A
Firewise Communities classification	No	N/A	N/A
Natural disaster/safety programs in/for schools	No	N/A	N/A
Organizations with mitigation focus (advocacy group, non-government)	No	N/A	N/A
Public private partnership initiatives addressing disaster-related issues	No	N/A	N/A

4.6. Self-Assessment of Capability

The community classification relates to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as an indicator of the community's capabilities in all phases of emergency management (i.e., preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. **Table 9** summarizes classifications for community programs available to the Village of Camillus.

**Table 9. Self-Assessment Capability for the Municipality**

Capability Area	Degree of Hazard Mitigation Capability		
	<i>Limited</i> (If limited, what are your obstacles?)	<i>Moderate</i>	<i>High</i>
Planning and Regulatory Capabilities			X
Administrative and Technical Capabilities			X
Fiscal Capabilities			X
Education and Outreach Capabilities			X
Community Political Capabilities			X
Community Resiliency Capabilities			X
Capability to integrate mitigation into municipal processes and activities			X

4.7. Needs to Expand/Improve Capabilities

Based on the capability self-assessment in Section 4.6, the Village of Camillus identified existing authorities, policies, programs, funding, and/or resources that need to be expanded and/or improved in order to support the implementation of the hazard mitigation initiatives identified in this Plan (e.g., mitigation actions).

- Expand staffing that focuses on legislation and procedures to clean up Nine Mile Creek which flows through the Village. The Village is small and as a result does not have heavy political power; however, the Village is extremely vulnerable to flooding. The responsibility to clear trees and debris from the Nine Mile Creek falls under the United States Army Corps of Engineers.
- Village codes and ordinances (e.g., building, zoning, protecting steep slopes, wetlands) should be reviewed based on developing trends in identified hazards and mitigation measures that can make them more effective at preventing losses.

5. NATIONAL FLOOD INSURANCE PROGRAM

The Village of Camillus is a member of the National Flood Insurance Program (NFIP) but has chosen to not participate in the NFIP Community Rating System (CRS) Program. The Village is in good standing with the NFIP through adoption and enforcement of floodplain management requirements (e.g., regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. The Village's NFIP participation information is listed in **Table 10**.

Table 10. NFIP Participation Information

CID	NFIP Participation Date	Current Effective FIRM Date	CRS Entry Date	CRS Current Effective Date	CRS Rating
360571	7/30/1976	11/4/2016	N/A	N/A	N/A

5.1. NFIP Floodplain Administrator

All NFIP participating jurisdictions have a designated Floodplain Administrator that is charged with enforcing floodplain regulations, routinely monitoring the floodplains, and providing community assistance such as



encouraging owners to maintain flood insurance. The Village of Camillus Floodplain Administrator information is listed in **Table 11**.

Table 11. Floodplain Administrator

Name	Title	Department	Phone Number
Bill Reagan	Code Enforcement Officer	Code Enforcement Office	(315) 430-7927

5.2. Repetitive Loss and Severe Repetitive Loss Property

FEMA defines a Repetitive Loss property as an NFIP-insured property meeting at least one (1) of the following paid loss criteria since 1978, regardless of any changes in ownership:

- Four (4) or more separate claims payments greater than \$5,000 each (including building and contents payment).
- Two (2) or more separate flood insurance claims payments (building payments only), where the total of the payments is greater than the property's current value.

Additionally, to receive a designation, at least two (2) of the claim payments must occur within 10 years of one another.⁶

A Severe Repetitive Loss property is defined by FEMA as any NFIP-insured single-family or multi-family residential building meeting at least one (1) of the following paid loss criteria since 1978 or from building constructed after 1978, regardless of any changes in ownership:⁷

- That has incurred flood-related damage for which four (4) or more separate claims payments have been made, with the amount of each claim (including building and contents payments) exceeding \$5,000, and with the cumulative amount of such claims payments exceeding \$20,000.
- For which at least two (2) separate claims payments (building payments only) have been made under such coverage, with the cumulative amount of such claims exceeding the market value of the building.

Table 12 summarizes FEMA Repetitive Loss and Severe Repetitive Loss properties within the Village of Camillus.

⁶ Federal Emergency Management Agency, National Flood Insurance Program. (2023). A Policyholder's Guide to Severe Repetitive Loss. Retrieved from https://agents.floodsmart.gov/sites/default/files/fema_nfip-policyholders-guide-severe-repetitive-loss_brochure_07-2023.pdf.

⁷ Federal Emergency Management Agency, National Flood Insurance Program. (2021). National Flood Insurance Program: Flood Insurance Manual. Retrieved from https://www.fema.gov/sites/default/files/documents/fema_nfip-all-flood-insurance-manual-apr-2021.pdf.

**Table 12. Repetitive Loss and Severe Repetitive Loss Properties**

Repetitive Loss Properties		Severe Repetitive Loss Properties	
Total	Occupancy	Total	Occupancy
1	1 Residential Non-Condo Building	0	--
Occupancy Type: Single Family = Single family residence • Two (2)-Four (4) Unit Residential Building = Two (2)-four (4) unit residential building • More Than Four (4) Units Residential Building = Residential building with more than four (4) units • Non-Residential Building = Non-residential building • Non-Residential Business = Non-residential business • Single Family Residential Building = Single-family residential building with the exception of a mobile home or a single residential unit within a multi-unit building • Residential (2, 3, or 4 units) Non-Condo Building = Residential non-condo building with two (2), three (3), or four (4) units seeking insurance on all units • Residential (5 or more units) Non-Condo Building = Residential non-condo building with 5 or more units seeking insurance on all units • Residential Mobile/Manufactured Home = Residential mobile/manufactured home • Residential Condo Association = Residential condo association seeking coverage on a building with one (1) or more units • Single Residential Unit = Single residential unit within a multi-unit building • Non-Residential Mobile/manufactured Home = Non-residential mobile/manufactured home • Non-Residential Building = Non-residential building • Non-Residential Unit = Non-residential unit within a multi-unit building			

Table 13 summarizes the NFIP active policies and coverage in force data for the Village of Camillus.

Table 13. NFIP Policies

NFIP Policies	Insurance in Force	Total Claims Paid	Sum of Claims Paid
8	\$11,891	12	\$217,157

5.3. Participation Activities

The Village of Camillus NFIP participation over the last five (5) years includes the following:

- Provides the following services – permit review, GIS, inspections, and engineering capability.
- Enforces local floodplain regulations and monitors compliance.
- Floodplain management regulations meet or exceed FEMA or State minimum requirements.
- The Village received funding from FEMA for the acquisition and elevation of structures, but all residents opted out due to the local share requirements.

5.3.1. Regulatory

Flood Damage Prevention Ordinance

The Village of Camillus' Flood Damage Prevention Chapter (*Chapter 63 of the Village Code*) was adopted to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- Regulate uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities.
- Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction.
- Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters.
- Control filling, grading, dredging and other development which may increase erosion or flood damages.



- Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.
- Qualify for and maintain participation in the NFIP.

The objectives of this Chapter are to:

- Protect human life and health.
- Minimize expenditure of public money for costly flood control projects.
- Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- Minimize prolonged business interruptions.
- Minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone, and sewer lines, streets and bridges located in areas of special flood hazard.
- Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas.
- Provide that developers are notified that property is in an area of special flood hazard.
- Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

Substantial Damage

Substantial damage means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50% of the market value of the structure before the damage occurred. (Chapter 63 of the Village Code)

Substantial Improvement

Substantial improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50% of the market value of the structure before the "start of construction" of the improvement. The term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. The term does not, however, include either:

- A. Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or
- B. Any alteration of an "historic structure," provided that the alteration will not preclude the structure's continued designation as an "historic structure." (Chapter 63 of the Village Code)

There are other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements.

6. HAZARD MITIGATION PLAN INTEGRATION

In order for a community to successfully reduce long term risk, hazard mitigation must be integrated into day-to-day planning mechanisms and initiatives. Plan integration is the process by which communities critically assess the existing planning framework and align efforts with the goal of reducing long term risks and building a more resilient community. It involves a two (2) way exchange of information and incorporation of ideas and concepts between



hazard mitigation plans and other community plans. In particular, plan integration involves the incorporation of hazard mitigation principles and actions into other plans, and planning mechanisms into hazard mitigation plans. Plan integration involves community plans, policies, codes, and programs that guide development, roles, and responsibilities in implementing these capabilities. Additionally, plan integration is achieved through the involvement of key staff and community officials in collaborative hazard mitigation planning.

6.1. Existing Plan Integration

A hazard mitigation plan must explain how the jurisdiction incorporated the previous Plan update over the last five (5) years to demonstrate progress in local mitigation efforts. In the performance period since the adoption of the previous Hazard Mitigation Plan, the Village of Camillus made progress on integrating components of the hazard mitigation strategy (e.g., goals, objectives, and actions) into planning initiatives and mechanisms. **Table 14** highlights the planning mechanisms/initiatives where the previous Plan was integrated and what information was integrated.

Table 14. Current Plan Integration

Planning Initiative	Current Integration Description
Ordinances	The Village has multiple local ordinances pertaining to the mitigation of hazards. These ordinances include the establishment of the Village Board of Trustees (serves as the Planning Board), Tree Committee, and Zoning Board of Appeals, Building Code Ordinance (Chapter 53 of the Village Code), Flood Damage Prevention Ordinance (Chapter 63 of the Village Code), Stormwater Management Ordinance (Chapter 65 of the Village Code), Zoning Ordinance (Chapter 110 of the Village Code), and the Subdivision Regulations (Chapter 65-10 of the Village Code). Additionally, the Village has implemented an Open Burning Ordinance (Chapter 54 of the Village Code) to help prevent wildfires and has added parking regulations to the Vehicle and Traffic Code (Chapter 105 of the Village Code) to ensure that parked cars on narrow streets do not obstruct the passage of emergency vehicles.
Public Outreach	The Village’s website provides information related to safety and hazard mitigation including local emergency response contact information, current information relating to flood risks and links to related ordinances and plans.

6.2. Potential Future Integration

A hazard mitigation plan must explain how the jurisdiction intends to incorporate this Plan update into planning mechanisms over the next five (5) years. The capability assessment presented in Section 4 of this Annex identifies codes, plans, and programs that provide opportunities for integration. **Table 15** outlines planning mechanisms/initiatives that do not currently integrate goals and recommendations of this Plan but provide opportunities to do so in the future.

Table 15. Potential Future Integration

Planning Initiative	Potential Integration Description
Stormwater Management Program	The Village of Camillus is a Municipal Separate Storm Sewer System (MS4) regulation community with a formal Stormwater Management Program. In the next update of the Stormwater Management Program, the Village could integrate additional flood hazard mitigation measures that align with the new stormwater regulation changes.
Ordinances	Hazard mitigation could be integrated into future updates of the zoning, building, and subdivision ordinances to inform appropriate use of property within the Village. Portions of this Hazard Mitigation Plan should be reviewed to consider any future improvements to the codes, if appropriate.



Planning Initiative	Potential Integration Description
Local Budget	The Village could include a line item for mitigation projects/activities into the municipal budget and/or capital improvement budget. Additionally, The Five Year Plan for Community Development Funding can integrate flood mitigation improvements.
Public Outreach	The Village could develop outreach and education programs, and include information on natural hazards and hazard mitigation on the Village's website. <i>Refer to mitigation action VC-9.</i>

The Village's Local Planning Team will identify all relevant planning initiatives that are scheduled to be updated in the next year and during the annual update process of the Hazard Mitigation Plan. Additionally, opportunities to integrate key elements of the Hazard Mitigation Plan, specifically any relevant strategies, into the planning initiatives will be identified by the Local Planning Team. Mitigation actions were identified to promote plan integration in future revisions of this Plan.

7. SIGNIFICANT HAZARD PAST EVENTS

A complete risk assessment, including past incidents, for each identified hazard of concern can be found in **Volume 1** of this Plan. A summary of past events is provided under each hazard profiles and includes a chronology of events that have affected the County and its municipalities. **Table 16** provides information on significant hazard events that uniquely impacted the Village of Camillus.

Table 16. Hazard Event History

Date	Event Type (Disaster Declaration, if applicable)	Description
October 26, 2021	Flood	Deep moisture from the Atlantic Ocean was fed into a warm frontal zone located over central New York by low pressure near New York City. These atmospheric conditions led to areas of moderate to heavy rainfall totaling between three (3) to five (5) inches with locally higher amounts. The heavy rainfall resulted in widespread flash flooding across the Southern Tier and Finger Lakes region. In the Village, several homes in South Street reported minor basement flooding.
August 19, 2021	Flood, Severe Weather (DR-4625)	In August 2021, Hurricane Fred produced five (5) inches of rain in a 10 hour period which resulted in 33 homes within the Village to flood. The structure of the homes did not suffer significant damage; however, basements were flooded, there was loss of power, and other losses associated with flooding were recorded.

8. HAZARD VULNERABILITY AND IMPACT ASSESSMENT

Exposure and vulnerability to certain hazards affect the entire County and others are geographically defined. Although the entire County may be vulnerable to these hazards, their impacts may vary based on existing community conditions (e.g., underserved, or functional access needs populations may be more susceptible based on certain conditions, vulnerabilities, or needs).

Table 17 outlines the *unique vulnerabilities and impacts* for the Village of Camillus and only addresses the hazards that are relevant and unique to the jurisdiction. A complete risk assessment for each identified hazard of concern is in **Volume 1** of this Plan. Hazard mapping can be found in **Appendix A** of this Annex.

**Table 17. Hazard Vulnerability and Impact Assessment**

Hazard	Vulnerabilities and Impacts
Drought	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to drought; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Earthquake	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to earthquake events; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Heat Wave/Extreme Heat	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to heat wave/extreme heat events; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Flood <i>(riverine, flash/urban, ice jam, dam and levee failure)</i>	Nine Mile Creek flows through the Village and has flooded several times in the past. Heavy rainfall will result in flooding throughout the Village, especially the areas in close proximity to the Creek. A significant problem for the Village is the hundreds of dead trees that lie in the Creek upstream (southbound) which are then brought downstream during a flood. When the trees are caught in the Village's Main Street Bridge it could result in flooding which exposes 150 residences in the area.
Geological Hazards <i>(landslides, land subsidence, mudboils)</i>	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to geological hazards; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Harmful Algal Bloom	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to harmful algal blooms; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Invasive Species and Infestation <i>(Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)</i>	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to invasive species and infestation; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Severe Weather <i>(severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)</i>	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to severe weather; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Winter Weather <i>(blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)</i>	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to winter weather; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Wildfire <i>(wildfire smoke)</i>	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to wildfire; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.

The Village evaluated whether vulnerability in hazard prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, changes in population, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard areas or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics (e.g., underserved population) were taken into consideration.



Table 18 outlines if climate change has increased or decreased the Village’s vulnerability (i.e., exposure) and impact to each natural hazard over the past five (5) years, and the effect of climate change in the future probability of occurrence and impacts from each natural hazard.

Table 18. Climate Change Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
<i>Current Vulnerability and Impact</i>	
Drought	Remained the Same
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Remained the Same
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Increased
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	Remained the Same
Harmful Algal Bloom	Remained the Same
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	Remained the Same
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Remained the Same
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor’easter</i>)	Decreased
Wildfire (<i>wildfire smoke</i>)	Remained the Same
<i>Future Vulnerability and Impact</i>	
Drought	No Change Anticipated
Earthquake	No Change Anticipated
Heat Wave/Extreme Heat	No Change Anticipated
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Increase
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	No Change Anticipated
Harmful Algal Bloom	No Change Anticipated
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	No Change Anticipated
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	No Change Anticipated
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor’easter</i>)	No Change Anticipated
Wildfire (<i>wildfire smoke</i>)	No Change Anticipated

Table 19 outlines if changes in population within the Village over the past five (5) years have increased or decreased the vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in population may have on the future probability of occurrence and impacts from these natural hazards.

Table 19. Changes in Population Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
<i>Current Vulnerability and Impact</i>	
Drought	Remained the Same



Hazard	Vulnerability and Impact
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Remained the Same
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Remained the Same
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	Remained the Same
Harmful Algal Bloom	Remained the Same
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	Remained the Same
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Remained the Same
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Remained the Same
Wildfire (<i>wildfire smoke</i>)	Remained the Same
<i>Future Vulnerability and Impact</i>	
Drought	No Change Anticipated
Earthquake	No Change Anticipated
Heat Wave/Extreme Heat	No Change Anticipated
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	No Change Anticipated
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	No Change Anticipated
Harmful Algal Bloom	No Change Anticipated
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	No Change Anticipated
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	No Change Anticipated
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	No Change Anticipated
Wildfire (<i>wildfire smoke</i>)	No Change Anticipated

Table 20 outlines if development over the past five (5) years has increased or decreased the Village's vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in development may have on the future probability of occurrence and impacts from these natural hazards.

Table 20. Changes in Development Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
<i>Current Vulnerability and Impact</i>	
Drought	Remained the Same
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Remained the Same
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Remained the Same
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	Remained the Same
Harmful Algal Bloom	Remained the Same



Hazard	Vulnerability and Impact
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	Remained the Same
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Remained the Same
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Remained the Same
Wildfire (<i>wildfire smoke</i>)	Remained the Same
<i>Future Vulnerability and Impact</i>	
Drought	No Change Anticipated
Earthquake	No Change Anticipated
Heat Wave/Extreme Heat	No Change Anticipated
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Increase
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	No Change Anticipated
Harmful Algal Bloom	No Change Anticipated
Invasive Species and Infestation (<i>Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases</i>)	No Change Anticipated
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	No Change Anticipated
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	No Change Anticipated
Wildfire (<i>wildfire smoke</i>)	No Change Anticipated

8.1. Future Major Assets

Community assets should include anything that is important to the character and function of a community. Assets include people (i.e., underserved population); structures (i.e., new and existing buildings); community lifelines and other critical facilities; natural, historic, and cultural resources; and the economy and other activities that have value to the community. Although all assets may be affected by the hazards identified in this Hazard Mitigation Plan, the jurisdiction identified future major assets that may be more vulnerable and impacted by these hazards.

- The Camillus Mills Apartments project is comprised of three (3) buildings with 104 apartments. This project is within the flood zone; however, these were built to standards mandated by the State and local government.
- Any new assets (e.g., new construction in hazard prone areas) will be constructed to adhere to the latest building codes and standards, and mitigation to protect them from identified and anticipated hazards, especially those that are expected to increase due to climate change.

9. CRITICAL FACILITIES FLOOD RISK

New York State Department of Environmental Conservation (NYSDEC) Title 6, Chapter V, Subchapter A, Part 502 sets forth local floodplain management criteria for State projects located within flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless built according to certain mitigation specifications, including being raised two (2) feet above the Base Flood



Elevation (BFE).⁸ While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding.

Jurisdictions must identify all critical facilities, assess their vulnerabilities, and evaluate and ensure they are protected to a 0.2% chance (500-year) flood event. Critical facilities that are located in an SFHA and/or have been previously flooded, must be protected against a repeat of that flood or to the 0.2% chance flood event, which ever provides the greater protection. The Plan must document those critical facilities are protected to a 0.2% flood event, or previous worst case flood event. For those that do not meet this level of protection, the Plan must include a mitigation action to meet or go beyond this criterion or explain why it is not feasible to do so.⁹

Table 21 identifies critical facilities in the community located in the 100-year and 500-year floodplain.

Table 21. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 100-Year Flood Event		Addressed by Proposed Action
		100-Year	500-Year	% Structure Damage	% Content Damage	
First Street Pump Station (owned by Onondaga County Department of Water Environment Protection)	Wastewater Pump Station	X	X	0%	0%	VC-6

10. HAZARD RISK RANKING

Table 22 presents the local hazard ranking for the Village of Camillus of all hazards of concern listed in **Volume 1** of this Plan. This ranking summarizes how hazards vary for this jurisdiction. As thoroughly described in **Volume 1** of this Plan, the ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy. For further details on how the probability, extent, vulnerability, and impact factors in **Table 22** were calculated, please refer to Section 4.3 in **Volume 1** of this Plan.

It is important to note that the sub hazards for severe weather (i.e., strong winds/damaging winds, severe thunderstorms, tropical storm/hurricane, hail, and tornado), geological hazards (i.e., landslide, land subsidence, and mudboils), flood (i.e., riverine/creek flooding and ice jam, and urban/flash flooding), and winter weather (i.e., blizzards, lake effect snow, nor'easter, and ice storm, and cold wave/extreme cold) were individually ranked in the hazard risk ranking; however, severe weather, geological hazards, flood, and winter weather are each considered as the main hazard throughout this Annex and **Volume 1**.

⁸ New York State Department of Environmental Conservation. (n.d.). Chapter V – Resource Management Services. Retrieved from <https://dec.ny.gov/regulatory/regulations/chapter-v>.

⁹ New York State Division of Homeland Security and Emergency Services. (2022). 2022 New York State Hazard Mitigation Planning Standards. Retrieved from <https://www.dhSES.ny.gov/system/files/documents/2023/11/2022-nys-mitigation-planning-standards-final.pdf>



Table 22. Village of Camillus Hazard Risk Ranking

Hazard Event	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Flood (Riverine/Creek, Ice Jam)	3	12	11	29	52	73
Flood (Urban/Flash Flood)	3	12	11	29	52	73
Winter Weather (Blizzards, Lake Effect Snow, Nor'easter, Ice Storm)	3	12	14	21	47	67
Severe Thunderstorm (Severe Weather)	3	12	16	14	42	61
Strong Winds/ Damaging Winds (Severe Weather)	3	12	11	16	39	57
Cold Wave/Extreme Cold (Winter Weather)	2	12	14	21	47	48
Heat Wave/Extreme Heat	2	9	11	19	39	41
Drought	2	12	12	13	37	39
Invasive Species and Infestation	2	9	6	18	33	35
Tropical Storm/Hurricane (Severe Weather)	1	9	16	24	49	27
Dam and Levee Failure (Flood)	1	12	6	27	45	25
Harmful Algal Bloom	1	9	10	20	39	23
Hail (Severe Weather)	1	6	16	14	36	21
Earthquake	1	6	16	12	34	20
Tornado (Severe Weather)	1	6	6	22	34	20
Landslide (Geological Hazards)	1	3	6	12	21	13
Land Subsidence (Geological Hazards)	1	3	6	12	21	13
Mudboils (Geological Hazards)	1	3	6	12	21	13



Hazard Event	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Wildfire (Wildfire Smoke)	1	3	6	11	20	13
<i>Consequence:</i> Sum of <u>all</u> weighted factors. <i>Extent:</i> Sum of the weighted <u>Extent</u> factors. <i>Vulnerability:</i> Sum of the weighted <u>Vulnerability</u> factors. <i>Impact:</i> Sum of the weighted <u>Impact</u> factors. <i>Total Risk Score*</i> = Probability x Consequence * Normalized to 100						
Total Risk Score Legend						
Classification	Probability Factor	Extent	Vulnerability	Impact	Consequence Score	Total Risk Score
Low (L)	1	0 – 6	0 – 6	0 – 12	0 – 24	0 – 24
Medium (M)	2	7 – 12	7 – 12	13 – 26	25 – 50	25 – 54
High (H)	3	13 – 18	13 – 18	27 – 39	51 – 75	55 and above
<i>The legend—specifically the assignment of low, medium, and high—provides an additional means to qualitatively assess the probability factor, sum of weighted factors, and the total risk scores for each hazard. The Consequence Score represents the sum of the Extent, Vulnerability, and Impact Factors. The Total Risk Score is a measure of Probability and Consequence.</i>						



11. MITIGATION ACTIONS

This section includes the mitigation actions that were developed to address identified risks and vulnerabilities to hazards identified in this Plan. This Plan serves only to recommend mitigation measures based on the potential for risk reduction and available funding. Implementation of mitigation actions is dependent on risk reduction priorities, feasibility, and available funding. It is also dependent on the cooperation and support of the jurisdiction and/or department responsible for each action item. Additionally, all mitigation actions identified in the 2019 update or before were updated accordingly. Any new mitigation actions are listed as *New* (under Project Status).

The Village of Camillus agreed upon **nine (9)** mitigation actions that apply to the jurisdiction's properties where they have jurisdictional responsibility and authority. Three (3) mitigation actions were completed. A summary of the Village's mitigation actions status is listed in **Table 23**.

Table 23. Village of Camillus Mitigation Action Summary

Status		Mitigation Action Total	
Continuous		1	
In Progress/Not Yet Completed		1	
No Progress/Not Yet Started		0	
New		7	
TOTAL		9	
Complete		3	
Discontinued		3	
Mitigation Actions per Hazard			
Drought	4	Harmful Algal Bloom	4
Earthquake	4	Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	4
Heat Wave/Extreme Heat	4	Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm, nor’easter)	9
Flood (riverine, flash/urban, ice jam, dam and levee failure)	9	Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold)	7
Geological Hazards (landslides, land subsidence, mudboils)	4	Wildfire (wildfire smoke)	4

A detailed explanation of the Mitigation Strategy can be found in Section 5 of **Volume 1**.



Mitigation Action	Install a trench drain on Genesee Street at the intersection of Union Street to mitigate stormwater flooding damage to residences in the area.				
Action Number	VC-1	Goal(s) Addressed	1, 4	Prioritization Score	9/15
Year Added to Plan	2013	Timeline <i>(estimated)</i>	1 to 2 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		Discontinued	If <i>Discontinued</i> , provide reason.	The State opted to not participate, and the Village has identified alternate activities to mitigate this hazard.	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Code Enforcement Office (Village Engineer)		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Medium	Potential Funding Source	General Fund (Staff Time), HMGP, FMA		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Upgrade the existing backup power (i.e., emergency generator) for the Village Fire House to ensure continuity of operations and supply sufficient power to run the Fire House and provide a place of refuge for residents during a disaster (i.e., emergency shelter). The existing generator has reached the end of its operational life.				
Action Number	VC-2	Goal(s) Addressed	1, 6	Prioritization Score	N/A
Year Added to Plan	2013	Timeline <i>(estimated)</i>	N/A	Implementation Priority	N/A
Hazard(s) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather, Wildfire			
Project Status		Complete	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		N/A			
Lead Agency / Organization	Village of Camillus Fire Department		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	N/A	Potential Funding Source	N/A		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	N/A	Additional Details <i>(optional)</i>			



Mitigation Action	Retrofit (floodproofing) the Village Hall (37 Main Street) to protect the building and land from flood damage to include, but not be limited to, elevating utilities.				
Action Number	VC-3	Goal(s) Addressed	1, 3, 6	Prioritization Score	N/A
Year Added to Plan	2019	Timeline <i>(estimated)</i>	N/A	Implementation Priority	N/A
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		Discontinued	If <i>Discontinued</i> , provide reason.	The Village implemented an alternative option.	
Benefits <i>(Loss Avoided)</i>		N/A			
Lead Agency / Organization	Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	N/A	Potential Funding Source	N/A		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	N/A	Additional Details <i>(optional)</i>			



Mitigation Action	Identify high priority trees throughout the Village and remove or trim those trees to reduce or eliminate significant damage caused by fallen trees that can cause power outages, damage to assets, dangerous conditions for personnel, injury or death to individuals, and obstruction of emergency response. Furthermore, the trees that are removed will be replaced with new trees.				
Action Number	VC-4	Goal(s) Addressed	1, 3	Prioritization Score	N/A
Year Added to Plan	2019	Timeline <i>(estimated)</i>	N/A	Implementation Priority	N/A
Hazard(s) Mitigated		Severe Weather, Winter Weather			
Project Status		Complete	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		N/A			
Lead Agency / Organization	Village of Camillus Department of Public Works		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	N/A	Potential Funding Source	N/A		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	N/A	Additional Details <i>(optional)</i>			



Mitigation Action	Collaborate with property and business owners on South Street, Green Street, MacLaughlin Street, Meadow Lane, Main Street, and First Street to identify mitigation actions for flooding. Upon identifying mitigation actions, the Village will assist in identifying funding and support the application process.				
Action Number	VC-5	Goal(s) Addressed	1, 2, 3	Prioritization Score	N/A
Year Added to Plan	2019	Timeline <i>(estimated)</i>	N/A	Implementation Priority	N/A
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		Discontinued	If <i>Discontinued</i> , provide reason.	All residents opted out of the Program.	
Benefits <i>(Loss Avoided)</i>		N/A			
Lead Agency / Organization	Village of Camillus Board of Trustees, Village of Camillus Code Enforcement Office		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	N/A	Potential Funding Source	N/A		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	N/A	Additional Details <i>(optional)</i>			



Mitigation Action	Encourage and support the retrofit of the First Street Pump Station to the 500-year flood level by discussing mitigation options with the dam owner.				
Action Number	VC-6	Goal(s) Addressed	1, 2, 6	Prioritization Score	11/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	4 to 5 Years	Implementation Priority	High
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		In Progress/No Yet Completed	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Low			
Lead Agency / Organization	Village of Camillus Code Enforcement Office (Floodplain Administrator)		Supporting Agency / Organization <i>(If applicable)</i>	Onondaga County Department of Water Environment Protection	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	Yes	Additional Details <i>(optional)</i>			



Mitigation Action	Remove dead trees from Nine Mile Creek, both upstream and downstream, and ensure the Creek remains clear from log jams that result in flooding. There are hundreds of dead trees upstream from the Village, within and along the Nine Mile Creek. As these trees flow downstream, they risk becoming lodged sideways in the Main Street Bridge, which leads to the accumulation of debris forming a dam and potentially flooding approximately 150 residences in close proximity to the Creek. There is already an ongoing clearing and snagging requirement downstream of the Village.				
Action Number	VC-7	Goal(s) Addressed	1, 4, 5, 6	Prioritization Score	6/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	Medium
Hazard(s) Mitigated		Flood, Severe Weather, Winter Weather			
Project Status		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Department of Public Works, United States Army Corps of Engineers, Town of Camillus Highway Department		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Medium	Potential Funding Source	General Fund (Staff Time), FMA		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Rebuild the Village’s Department of Public Works building and ensure it is built to the 500-year flood elevation.				
Action Number	VC-8	Goal(s) Addressed	1, 3, 6	Prioritization Score	N/A
Year Added to Plan	2019	Timeline <i>(estimated)</i>	N/A	Implementation Priority	N/A
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		Complete	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		N/A			
Lead Agency / Organization	Village of Camillus Department of Public Works		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	N/A	Potential Funding Source	N/A		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	N/A	Additional Details <i>(optional)</i>			



Mitigation Action	Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction:					
	<ul style="list-style-type: none">• Provide and maintain links to the Onondaga County Hazard Mitigation Plan website, and regularly post notices on the municipal homepage referencing the Onondaga County Hazard Mitigation Plan webpages.• Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.• Use the Village’s e-mail notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.• Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.					
	Action Number	VC-9	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
	Year Added to Plan	2025	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
	Hazard(s) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather, Wildfire			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A		
Benefits <i>(Loss Avoided)</i>		Low				
Lead Agency / Organization		Village of Camillus Code Enforcement Office (Floodplain Administrator)	Supporting Agency / Organization <i>(If applicable)</i>	Onondaga County Department of Planning		
Additional Participating Jurisdictions <i>(If applicable)</i>		N/A				
Estimated Cost		Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>		No	Additional Details <i>(optional)</i>			



Mitigation Action	Actively support and participate in the implementation, monitoring, maintenance, and updating of this Hazard Mitigation Plan, as outlined, and defined in Volume 1.				
Action Number	VC-10	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather, Wildfire			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Code Enforcement Office, Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Continue to maintain good standing and compliance under the National Flood Insurance Program (NFIP) through implementation and enforcement of floodplain management requirements that, at a minimum, meet the NFIP requirements. These include: <ul style="list-style-type: none">Enforce the flood damage prevention ordinance (e.g., regulating all new and substantially improved construction in Special Hazard Flood Areas).Participate in floodplain identification and mapping updates. In particular, the Nine Mile Creek Flood Study update being conducted by an environmental consulting firm.Provide public assistance/outreach on floodplain requirements and impacts.				
Action Number	VC-11	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization	Village of Camillus Code Enforcement Office (Floodplain Administrator)		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Develop, enhance, and implement existing Village emergency plans.				
Action Number	VC-12	Goal(s) Addressed	1, 6	Prioritization Score	15/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather, Wildfire			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Develop, enhance, and maintain mutual aid agreements with surrounding municipalities and counties.				
Action Number	VC-13	Goal(s) Addressed	1, 5, 6	Prioritization Score	15/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather, Wildfire			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Low	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Restore and reactivate the United States Geological Survey (USGS) gage station in Camillus to enhance real time streamflow monitoring and improve early warning capabilities and flood risk management.				
Action Number	VC-14	Goal(s) Addressed	1, 6	Prioritization Score	12/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	3 to 6 Months	Implementation Priority	High
Hazard(s) Mitigated		Flood, Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	United States Geological Survey	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	Medium	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Expand the West Genesee Street Bridge over Nine Mile Creek during its replacement to enhance flood resilience, and reduce the risk of trees washing downstream, becoming lodged in the bridge opening and creating a dam.				
Action Number	VC-15	Goal(s) Addressed	1, 6	Prioritization Score	7/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	Over 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Flood, Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Village of Camillus Board of Trustees		Supporting Agency / Organization <i>(If applicable)</i>	Town of Camillus Highway Department, New York State Department of Transportation	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	High	Potential Funding Source	New York State Department of Transportation funding, Town and Village of Camillus Bonds, HMGP, BRIC, FEMA Public Assistance		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



APPENDIX A. HAZARD MAPS

The following hazard maps have been generated for the Village of Camillus – **[enter hazards here]**. 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 Camillus has significant vulnerability.

Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]
Figure #	[Enter map name and description, if applicable]



APPENDIX B. LETTER OF INTENT

Statement of Intent to Participate in the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan

The purpose of this letter is to establish commitment from, and a cooperative working relationship between, all participating jurisdictions in the development and implementation of the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan (HMP). In addition,

the intent of this form is to ensure that the Plan update is developed in accordance with Title 44 of the Federal Code of Regulations Part 201.6; that the planning process is conducted in an open manner involving community stakeholders; that it is consistent with each participating jurisdiction's policies, programs, and authorities; and that it is an accurate reflection of the community's values.

To meet this requirement and to help reduce the loss of life and damage to property in the event of a natural disaster, our municipality intends to participate in a federally funded grant initiative to update the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan.

We understand that the planning process will include a limited number of meetings and/or calls between Planning Team representatives and representatives from participating municipalities and agencies. The subject of the meeting(s) will be to:

- Inform participants on the needs and methods for identifying and prioritizing hazards;
- Share information on hazards affecting local jurisdictions;
- Provide information related to local assets, plans/ordinances, hazard events and damages, new development, etc. within the jurisdiction; and
- Determine possible projects to reduce the impact of future incidents involving hazards which are prerequisites to municipalities later applying for hazard mitigation grant funds.

We recognize the importance of having an updated multi-jurisdictional hazard mitigation plan to help safeguard the lives and property of our citizens and commit to participating in this process with Onondaga County.

Name of Jurisdiction:

Name of Authorized Representative: Signature of Authorized Representative:



Primary Point-of-Contact (POC):

Name: Richard Waterman
Title: Mayor - Village of Camillus
Department:
Phone Number: 315-567-9848
Email: dickwaterman1@gmail.com

Secondary Point-of-Contact (POC):

Name: Carrie Grooms
Title: Village Clerk
Department:
Phone Number: 315-672-3484
Email:
Clerk@villageofcamillus-ny.gov

Please return this form to jefferyharrop@ongov.net, or mail to the Onondaga County Dept. of Planning, 335 Montgomery St, Syracuse, NY 13202. Questions, call Jeff at (315)435-2673.



APPENDIX C. PLAN ADOPTION

[Placeholder for adoption documentation after State and FEMA Approval]