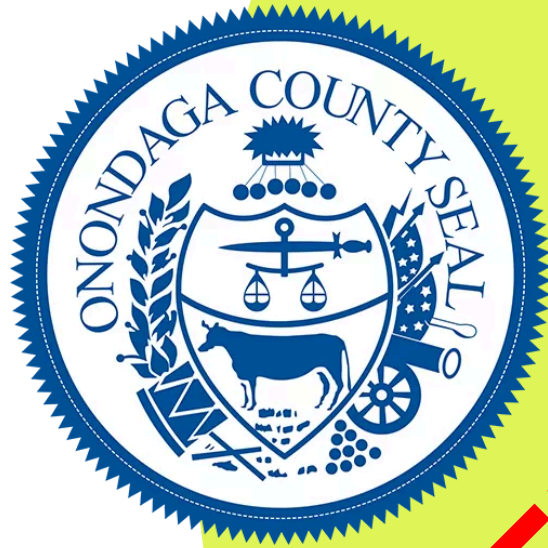


2025 Hazard Mitigation Plan

Onondaga County,
New York

**Town of Elbridge
Annex**



DRAFT



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This Annex details the hazard mitigation elements specific to the Town of Elbridge, 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 Town of Elbridge. This Annex provides additional information specific to the Town, 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 Town of Elbridge 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
Floyd Duger	Town Councilor	Town Board
James White	Highway Superintendent	Highway Department
Mckensey Gonyea	Supervisor Clerk	Town Clerk

2. MUNICIPAL PROFILE

The Town of Elbridge lies along the western border of Onondaga County with a total area of 38.8 square miles. The Erie Canal/Seneca River system forms the north border for the Town and Cross Lake sits on the northeast corner of the Town. The Town of Elbridge is bordered to the north by the towns of Lysander and Van Buren, to the south by the Town of Skaneateles, to the east by the Town of Camillus, and to the west by Cayuga County.

The Village of Elbridge is located in the Town at the junction of New York State Route 5 and New Yorks State Route 317. Additionally, the Village of Jordan is located within the Town at the junction of New York State Route 31 and New Yorks State Route 317. *The Village of Elbridge and the Village of Jordan each has developed its own dedicated annex as part of this Plan.* There are several communities located within the Town – Halfway (hamlet), Lairds Corners (hamlet), Memphis (hamlet), Peru (hamlet), and Skaneateles Junction (hamlet).

2.1. Population

In 2023, the Town of Elbridge had a population of 5,394, a 6.4% decrease from the estimated 2018 population of 5,761. **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 ³
5,922	5,761	5,394	-6.4%	8.5%	21.2%	11.3%

2.2. History and Cultural Resources

In 1793, Josiah Buck, a surveyor who originally surveyed the land for the State of New York in 1791, and Captain William Stevens, a soldier of the Revolution arrived in what is now the Town of Elbridge. On March 29, 1829, 37 lots were taken from the Town of Camillus to create the Town of Elbridge. The Town was named after Elbridge Gerry, a friend of Captain Stevens. Elbridge Gerry was a member of the Boston Tea Party with Stevens, a signer of the Declaration of Independence and Vice President of the United States between 1813 and 1814.

The settlement of Jordan in the northwest section of the Town became incorporated on May 2, 1835. The Erie Canal was built through the Village of Jordan in 1825 and immediately the Village began to grow and prosper. Later, the main line of the railroad that traversed New York State was built in the Village of Jordan. The Village soon became the center of trade and manufacturing in the Town of Elbridge, outgrowing the population of the Town.

By the early 1900's, the industry in the villages of Jordan and Elbridge started moving into Syracuse and many went out of business. There was a need for capital expansion and there were no banks in the area to support this growth. In 1912, the Erie Canal was closed and moved to the new Barge Canal which is located in the Seneca River and Cross Lake. The use of the railroad also disappeared as a popular means of shipping in the 1950's. The New York State Thruway was soon built, but there was no exit created for the Town of Elbridge and subsequently the industry came to a standstill. Currently, few viable industries remain in the Town – OWI Wire Mill, Bennett Bolt Works, Northeastern Electronics, and Tessy Plastics Corporation.

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 Town of Elbridge between 2019 and 2023.⁴

Table 2. Housing Units Built (2019 – 2023)

Type	2019	2020	2021	2022	2023
Single-Family Units	6	1	2	2	6
Multi-Family Units	0	2	0	0	0
2-Family Units	0	2	0	0	0
3-Family Units	0	0	0	0	0

¹ United States Census Bureau. (2010). QuickFacts: Town of Elbridge. Retrieved from <https://www.census.gov/quickfacts/fact/table/elbridgetownonondagacountynewyork/>.

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=060XX00US3606723800>.

³ United States Census Bureau. (2023). QuickFacts: Town of Elbridge. Retrieved from <https://www.census.gov/quickfacts/fact/table/elbridgetownonondagacountynewyork/>.

⁴ Data provided by the Onondaga County Department of Planning based on Real Property Data (2024).



Type	2019	2020	2021	2022	2023
<i>Apartment Units</i>	0	0	0	0	0
Total Units	6	3	2	2	6

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 Town of Elbridge is under the Rural Countryside sub-region. This sub-region has a greater proportion of married couple families, both elderly (17%) and non-elderly (65%), and relatively fewer single parent families and people living alone. Total household growth between 2000 and 2020 was 8.8% (the average of all the County towns/villages was 12.0%). Growing demand in the County would likely support continued large-lot homebuilding within the towns. Villages, without a clear market for aging housing in mostly remote locations, would slowly continue on their early 20th Century trajectory. If household growth in the towns within this sub-region grew sufficiently, it could encourage development of some additional commercial uses. Under a low-growth scenario, it is likely that the towns within Rural Countryside could continue to add large-lot houses in a rural setting, though construction would likely slow. Market changes would happen gradually, with strong areas remaining strong for a period of time.

The Town of Elbridge has ample land available for new construction and development; however, there is currently limited interest in major developments or large-scale construction within the Town. **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)					
The Town has not experienced significant development in hazard prone areas over the past five (5) years.					
Known or Anticipated Development in the Next Five (5) Years (2024 – 2029)					
The Town does not anticipate significant development in hazard prone areas over the next five (5) years.					

3.1. Changes in Priority

The need for generators to serve as standby (backup) power at specific critical facilities, and water chestnut control and removal has become a priority for the Town of Elbridge since the previous Plan update. Furthermore, 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 Town of Elbridge authorities, policies, programs, and resources. Goals and mitigation actions were developed using input from this assessment. Information regarding the Town'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 Town'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 Town 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	Town Board	Smart Growth Comprehensive Plan for the Town of Elbridge, NY and the Villages of Elbridge and Jordan (May 2024) – Pending Adoption
Capital Improvements Plan	No	N/A	N/A	N/A
Floodplain Management / Basin Plan	No	N/A	N/A	N/A
Stormwater Management Plan	No	N/A	N/A	N/A
Open Space Plan	No	N/A	N/A	N/A



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.)
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	Yes	Local	Planning Board	
Transportation Plan	No	N/A	N/A	N/A
Strategic Recovery Planning Report	No	N/A	N/A	N/A
Climate Adaptation Plan	Yes	Local	Town Board, Planning Board	Part of the Smart Growth Comprehensive Plan for the Town of Elbridge, NY and the Villages of Elbridge and Jordan – Pending Adoption
Resilience Plan	Yes	Local	Town Board, Planning Board	Part of the Smart Growth Comprehensive Plan for the Town of Elbridge, NY and the Villages of Elbridge and Jordan – Pending Adoption
Regulatory Capability				
Building Code	Yes	State, Local	Building, Codes, and Zoning Department	Chapter 16 of the New York State Building Code Chapter 136 of the Town Code
Zoning Ordinance	Yes	Local	Building, Codes, and Zoning Department	Chapter 265 of the Town Code
Subdivision Ordinance	Yes	Local	Building, Codes, and Zoning Department	Chapter 240 of the Town Code
NFIP Flood Damage Prevention Ordinance	Yes	Local	Building, Codes, and Zoning Department	Chapter 159 of the Town Code
NFIP: Cumulative Substantial Damages	Yes	Local	Building, Codes, and Zoning Department	Chapter 159 of the Town 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.)
NFIP: Freeboard	Yes	State, Local	Building, Codes, and Zoning Department	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	Building, Codes, and Zoning Department	Chapter 265, Article XII of the Town Code
Stormwater Management Ordinance	Yes	Local	Building, Codes, and Zoning Department	Chapter 218 of the Town Code
Municipal Separate Storm Sewer System (MS4)	No	N/A	N/A	N/A
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	
Mitigation Planning Committee	Yes	Town Councilor, Town Board Highway Superintendent, Highway Department
Environmental Board/Commission	Yes	Environmental Commission



Capability	Yes/No	Position/Department/Agency
Open Space Board/Committee	No	N/A
Economic Development Commission/Committee	No	N/A
Maintenance programs to reduce risk	Yes	Highway Superintendent, Highway Department
Mutual aid agreements	Yes	Jordan Fire Department Elbridge Fire Department Mottville Fire Department
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Consultants
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	No	N/A
Planners or engineers with an understanding of natural hazards	Yes	Highway Superintendent, Highway Department Town Board
NFIP Floodplain Administrator	Yes	Highway Superintendent, Highway Department
Surveyor(s)	No	N/A
Personnel skilled or trained in GIS applications	No	N/A
Scientist familiar with natural hazards	No	N/A
Warning systems/services	Yes	Onondaga County Emergency Communications (911)
Emergency Manager	No	N/A
Grant writer(s)	Yes	Consultants
Staff with expertise or training in benefit/cost analysis	No	N/A
Professionals trained in conducting damage assessments	No	N/A

4.3. Fiscal Capabilities

Table 6 contains a list of fiscal capabilities available to the Town 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)</i> , <i>HMGP Post Fire</i> , <i>Building Resilient Infrastructure and Communities (BRIC)</i> , <i>Flood Mitigation Assistance (FMA) Program</i>)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes



Financial Resources	Accessible or Eligible to Use
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	Yes
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	Yes
Other federal or state funding programs	No
Open Space Acquisition funding programs	No

4.4. Education and Outreach Capabilities

Table 7 lists the Town’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	No	N/A
Personnel skilled or trained in website development	Yes	Webpage Manager
Hazard mitigation information available on the jurisdiction’s website	Yes	Webpage Manager
Utilize social media for hazard mitigation education	Yes	Webpage Manager <i>Facebook:</i> facebook.com/TownOfElbridgeOfficial/ <i>Instagram:</i> instagram.com/town_of_elbridge/
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	Town Clerk, Town Clerk’s Office
An established warning system for hazard events	Yes	Onondaga County Emergency Communications (911)

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 Town of Elbridge.

**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)	No	N/A	N/A
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	2.0, except the southeast portion which has a 3.5 rating	N/A
New York State Department of Environmental Conservation Climate Smart Community	Yes	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	Yes	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 Town of Elbridge.

Table 9. Self-Assessment Capability for the Municipality

Capability Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and Regulatory Capabilities		X	
Administrative and Technical Capabilities		X	
Fiscal Capabilities	X (low funding)		
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 Town of Elbridge 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 and improve funding capabilities to support proactive measures, reduce risk, and enhance community resilience against the hazards outlined in this Plan.
- Town 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 Town of Elbridge is a member of the National Flood Insurance Program (NFIP) but has chosen not to participate in the NFIP Community Rating System (CRS) Program. The Town 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 Town'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
360575	5/31/1974	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 Town of Elbridge Floodplain Administrator information is listed in **Table 11**.

Table 11. Floodplain Administrator

Name	Title	Department	Phone Number
James White	Highway Superintendent	Highway Department	(315) 689-9031

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.⁵

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:⁶

- 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 Town of Elbridge.

Table 12. Repetitive Loss and Severe Repetitive Loss Properties

Repetitive Loss Properties		Severe Repetitive Loss Properties	
Total	Occupancy	Total	Occupancy
1	1 Single Family	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 Town of Elbridge.

Table 13. NFIP Policies

NFIP Policies	Insurance in Force	Total Claims Paid	Sum of Claims Paid
13	\$12,460	13	\$188,179

5.3. Participation Activities

The Town of Elbridge NFIP participation over the last five (5) years includes the following:

- Provides the following services – permit review, GIS, inspections, and engineering capability.
- Teaches property owners or other stakeholders about the importance of flood insurance through public outreach events, workshops, and/or seminars.

⁵ 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.

⁶ 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.



- Enforces local floodplain regulations and monitors compliance.
- Floodplain management regulations meet or exceed FEMA or State minimum requirements.

5.3.1. Regulatory

Flood Damage Prevention Ordinance

The Town of Elbridge's Flood Damage Prevention Chapter (*Chapter 159 of the Town 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. *Substantial damage* also means flood-related damages sustained by a structure on two (2) separate occasions during a 10 year period for which the cost of repairs at the time of such event, on the average, equals or exceeds 25% of the market value of the structure before the damage occurred. (*Chapter 159 of the Town Code*)



Substantial Improvement

Substantial improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 25% of the market value of the structure before the "start of construction" of the improvement. *Substantial improvement* also means cumulative substantial 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 a "historic structure", provided that the alteration will not preclude the structure's continued designation as an "historic structure." (*Chapter 159 of the Town Code*)

Cumulative Substantial Damage

Cumulative substantial damage means any reconstruction, rehabilitation, addition, or other improvement of a structure that equals or exceeds 25% of the market value of the structure at the time of the improvement or repair when counted cumulatively for 10 years. (*Chapter 159 of the Town 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 Town of Elbridge 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
Comprehensive Plan	The Smart Growth Comprehensive Plan integrates hazard mitigation by aligning the mitigation actions from the Hazard Mitigation Plan with the vision and goals of the Comprehensive Plan. The Plan guides the Town's land use and development while protecting critical resources and ensures the continuation of municipal services to the community. These services include potential hazard mitigation improvements through flood protection, habitat conservation, and smart growth principles among many others.
Stormwater Management Plan	The Town of Elbridge is a Municipal Separate Storm Sewer System (MS4) regulation community with a formal Stormwater Management Plan. The Stormwater Management Plan specifies the requirements to reduce the volume of stormwater and mitigate stormwater flooding.
Ordinances	The Town has multiple local ordinances pertaining to the mitigation of hazards. These ordinances include the establishment of the Planning Board, Zoning Board of Appeals, and Environmental Commission, Building Construction and Fire Prevention Ordinance (Chapter 138 of the Town Code), Flood Damage Prevention Ordinance (Chapter 159 of the Town Code), Environmental Quality Review Ordinance (Chapter 145 of the Town Code), Solid Waste Ordinance (Chapter 218 of the Town Code), Zoning Ordinance (Chapter 265 of the Town Code), and the Subdivision of Land Ordinance (Chapter 240 of the Town Code).
Local Budget	The Town includes a line item for mitigation projects/activities into the municipal budget and capital improvements budget.
Public Outreach	The Town's website and social media (i.e., Facebook and Instagram) provides information related to safety and hazard mitigation including local emergency response contact information, current information relating to flood risks, stormwater management, and street tree management, and links to related ordinances and plans. Additionally, the Town has an e-mail distribution list utilized to distribute emergency information, updates, and public notices; and an electronic board that is utilized to distribute emergency notices. The Town conducts and facilitates public education and outreach for residents and businesses to promote the importance of natural hazard risk reduction through hazard mitigation planning.

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
Capital Improvement Plan	The Town will continue to ensure consistency between this Hazard Mitigation Plan and future updates of the Capital Improvement Plan. The Hazard Mitigation Plan may identify new possible funding sources for capital improvement projects and may result in modifications to proposed projects based on results of the risk assessment.
Ordinances	Hazard mitigation could be integrated into future updates of the zoning, building, and subdivision ordinances to inform appropriate use of property within the Town. Portions of this Hazard Mitigation Plan should be reviewed to consider any future improvements to the codes, if appropriate.



Planning Initiative	Potential Integration Description
Public Outreach	The Town will continue to conduct outreach and education for the public, but also for Town staff (e.g., Planning Board, Highway Department, emergency services) on the importance of integrating hazard mitigation into other relevant planning initiatives to ensure hazard risk reduction through hazard mitigation planning. The Town Planning Board is an integral part in the Town's planning (e.g., recommendations on various actions to mitigate hazard risk), and has the ability to restrict development in hazard prone areas.

The Town'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 Town of Elbridge.

Table 16. Hazard Event History

Date	Event Type (Disaster Declaration, if applicable)	Description
January 9 – 10, 2024	Severe Weather	A strong winter storm moved through the area between January 9 th and 10 th . This system produced snow, rain, and strong winds/damaging winds across parts of central New York, including Onondaga County. A large number of residents in the Town lost power due to the strong winds/damaging winds. As a result, the Town opened the Jordan Elbridge Community Center for residents in need of water, warmth, and to recharge devices.
August 7, 2023	Flood	Thunderstorms developed ahead of a slow moving cold front tracking through western and central New York during the afternoon and evening. Numerous thunderstorm complexes moved over the same locations in Onondaga County producing up to six (6) inches of rain in a short amount of time. Much of the area affected was predominantly urbanized land cover. Flooding of streets and drainage systems occurred for several hours.
July 1, 2017	Flood	A tropical moisture laden air mass produced numerous showers and thunderstorms which traveled repeatedly over the same areas of the Finger Lakes Region and Upper Mohawk Valley. Widespread flash and urban flooding developed in portions of Cayuga, Onondaga, Madison and Oneida counties. The hardest hit areas were the villages and towns of Moravia, Chittenango, Oneida, and Utica. Total rainfall along a narrow corridor from Moravia to Utica generally ranged from 2.5 to five (5) inches, most of which fell in less than two (2) hours. Total damages from this event range between \$10 and \$15 Million countywide. The Town reported mudslides on Kester Road and road closures that required clean up and shoulder repair.



Date	Event Type (Disaster Declaration, if applicable)	Description
Spring 2017 and 2018	Flood	Snowmelt resulted in the Seneca River which resulted in debris and damage to private properties in the Town.

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 Town of Elbridge 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 Town 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	Older multilevel buildings may not be able to withstand an earthquake. The older multilevel buildings are primarily located within the villages of Jordan and Elbridge (located within the Town of Elbridge) and includes buildings associated with Jordan-Elbridge Central School District.
Heat Wave/Extreme Heat	The Town has a significant elderly population with a high concentration within the Old Erie Apartments in Jordan. The elderly are uniquely vulnerable to heat wave/extreme heat events because this population has a harder time adjusting to extreme temperatures, are more likely to have chronic conditions that may be exacerbated during heat wave/extreme heat events, and are more likely to take prescription medication that affects the body's ability to control temperature. Furthermore, the northern portion of the Town has a high concentration of low income population. Low income population is uniquely vulnerable to heat wave/extreme heat events due to limited access to air conditioning and lack of resources to cope during these events potentially being exposed to heat-related illnesses (e.g., heat stroke, heat exhaustion, heat cramps).
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Severe flooding damages road culverts and drainage, and waterfront properties along the Seneca River are uniquely vulnerable to flooding.
Geological Hazards (landslides, land subsidence, mudboils)	There are several steep slopes within the Town which can be impacted by landslides that can block and damage roads. If a community is located with a single access road within these steep slopes, a landslide can isolate the community if it damages or blocks road access.
Harmful Algal Bloom	Harmful algal blooms can impact the lakes that provide water supply to the Town affecting the safety of potable water and pose a risk to water recreational activities (e.g., swim, boats), livestock, and pets.
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)	Water chestnuts choke waterways throughout the Town creating hazards along waterfront properties. Furthermore, Emerald Ash Borer significantly impacts ash trees creating hazards of dead trees falling in roadways, power utility lines, and communication lines.



Hazard	Vulnerabilities and Impacts
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	The Town has five (5) mobile home parks that are highly vulnerable to strong winds/damaging winds and tornadoes. Additionally, the elderly and those with access and functional needs, especially the electrically dependent, are uniquely vulnerable to power outage.
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	The Town, located within the snow belt, is extremely vulnerable to heavy snow events and often experiences temperature fluctuations that result in more ice events. The elderly are uniquely vulnerable during winter weather events because this population has a decreased ability to regulate body temperature making them more vulnerable to cold-related illnesses (e.g., hypothermia). Furthermore, power outages during winter weather events can significantly impact the elderly and those with access and functional needs, especially the electrically dependent.
Wildfire (wildfire smoke)	The Local Planning Team determined that the Town 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 Town 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 whether climate change has increased or decreased the Town'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
Current Vulnerability and Impact	
Drought	Remained the Same
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Increased
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Increased
Geological Hazards (landslides, land subsidence, mudboils)	Remained the Same
Harmful Algal Bloom	Increased
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)	Increased
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	Increased
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	Increased
Wildfire (wildfire smoke)	Remained the Same
Future Vulnerability and Impact	
Drought	No Change Anticipated



Hazard	Vulnerability and Impact
Earthquake	No Change Anticipated
Heat Wave/Extreme Heat	Increase
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	Increase
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>)	Increase
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Increase
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Increase
Wildfire (<i>wildfire smoke</i>)	No Change Anticipated

Table 19 outlines if changes in population within the Town 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
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Increased
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Increased
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	Increased
Harmful Algal Bloom	Increased
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>)	Increased
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Increased
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Increased
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	Increase
Flood (<i>riverine, flash/urban, ice jam, dam and levee failure</i>)	Increase
Geological Hazards (<i>landslides, land subsidence, mudboils</i>)	Increase
Harmful Algal Bloom	Increase



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>)	Increase
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Increase
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Increase
Wildfire (<i>wildfire smoke</i>)	No Change Anticipated

Table 20 outlines if development over the past five (5) years has increased or decreased the Town'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
Current Vulnerability and Impact	
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	Increased
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>)	Increased
Severe Weather (<i>severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm</i>)	Increased
Winter Weather (<i>blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter</i>)	Increased
Wildfire (<i>wildfire smoke</i>)	Remained the Same
Future Vulnerability and Impact	
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	Increase
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>)	Increase
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>)	Increase
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 Town has a significant elderly population, and low income individuals in the northern portion of the jurisdiction and these populations are extremely vulnerable to heat wave/extreme heat events. As these events increase in frequency due to climate change, the elderly population and low income individuals' exposure and risk will continue to increase in the future.
- As stated in Section 3 of this Annex, there are areas available for development throughout the Town, but there is no demand for it at this time. However, 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).⁷ 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.⁸

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	
None Identified.						

⁷ New York State Department of Environmental Conservation. (n.d.). Chapter V – Resource Management Services. Retrieved from <https://dec.ny.gov/regulatory/regulations/chapter-v>.

⁸ 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>



10. HAZARD RISK RANKING

Table 22 presents the local hazard ranking for the Town of Elbridge 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**.

Table 22. Town of Elbridge 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
Harmful Algal Bloom	2	9	10	20	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



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)
Land Subsidence (Geological Hazards)	1	9	11	18	38	22
Hail (Severe Weather)	1	6	16	14	36	21
Landslide (Geological Hazards)	1	12	6	18	36	21
Earthquake	1	6	16	12	34	20
Tornado (Severe Weather)	1	6	6	22	34	20
Mudboils (Geological Hazards)	1	3	6	12	21	13
Wildfire (Wildfire Smoke)	1	3	6	11	20	13
<p>Consequence: Sum of <u>all</u> weighted factors. Extent: Sum of the weighted <u>Extent</u> factors. Vulnerability: Sum of the weighted <u>Vulnerability</u> factors. Impact: Sum of the weighted <u>Impact</u> factors. Total Risk Score* = Probability x Consequence * Normalized to 100</p>						
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
<p>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.</p>						



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 Town of Elbridge agreed upon **18** mitigation actions that apply to the jurisdiction's properties where they have jurisdictional responsibility and authority. Two (2) mitigation actions were completed. A summary of the Town's mitigation actions status is listed in **Table 23**.

Table 23. Town of Elbridge Mitigation Action Summary

Status		Mitigation Action Total	
Continuous		9	
In Progress/Not Yet Completed		0	
No Progress/Not Yet Started		2	
New		7	
TOTAL		18	
Complete		2	
Discontinued		0	
Mitigation Actions per Hazard			
Drought	5	Harmful Algal Bloom	8
Earthquake	6	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)	7
Heat Wave/Extreme Heat	7	Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm, nor'easter)	12
Flood (riverine, flash/urban, ice jam, dam and levee failure)	8	Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold)	12
Geological Hazards (landslides, land subsidence, mudboils)	6	Wildfire (wildfire smoke)	5

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



Mitigation Action	Where appropriate, support retrofitting or relocation of structures in high hazard areas, prioritizing structures that have experienced repetitive losses.				
Action Number	TEL-1	Goal(s) Addressed	1, 2, 3, 6	Prioritization Score	11/15
Year Added to Plan	2013	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		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization		Town of Elbridge Highway Department (Floodplain Administrator)	Supporting Agency / Organization <i>(If applicable)</i>	N/A	
Additional Participating Jurisdictions <i>(If applicable)</i>		N/A			
Estimated Cost		High	Potential Funding Source	General Fund (Staff Time), HMGP. BRIC, FMA	
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>		No	Additional Details <i>(optional)</i>	Identify facilities that are viable candidates for retrofitting based on cost-effectiveness versus relocation. Where retrofitting is determined to be a viable option, consider implementation of that action based on available funding.	



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.• Enhance emergency preparedness information available to residents and visitors through the Town’s website; and develop a multifaceted public awareness campaign to increase resident enrollment in the Town’s Emergency Notification System.• Enhance hazard awareness of residents through the Community Emergency Response Team and Medical Reserve Corps programs and facilitate community training requests for emergency preparedness education.					
	Action Number	TEL-2	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
	Year Added to Plan	2013	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		Continuous	If <i>Discontinued</i> , provide reason.	N/A		
Benefits <i>(Loss Avoided)</i>		Low				
Lead Agency / Organization		Town of Elbridge Town Board	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	TEL -3	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
Year Added to Plan	2013	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		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge Town Board		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.Provide public assistance/outreach on floodplain requirements and impacts.				
Action Number	TEL-4	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	15/15
Year Added to Plan	2013	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization	Town of Elbridge Highway Department (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 Town emergency plans.				
Action Number	TEL-5	Goal(s) Addressed	1, 6	Prioritization Score	15/15
Year Added to Plan	2013	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		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge Town Board		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	TEL-6	Goal(s) Addressed	1, 5, 6	Prioritization Score	15/15
Year Added to Plan	2013	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		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge Town Board		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	Upsize the culvert at Sandbank Road, currently undersized at 48 inches, to a 60-inch culvert.				
Action Number	TEL-7	Goal(s) Addressed	1	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	Town of Elbridge Highway 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 the bridge at Gorham Road, which is currently undersized, to allow for an opening of 10 feet by 9 feet.				
Action Number	TEL-8	Goal(s) Addressed	1	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	Town of Elbridge Highway 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	Acquire a contractor to evaluate, survey, and harvest trees, as necessary. The Town will use the tree survey to supplement the New York State Department of Environmental Conservation (NYSDEC) identification and mapping of invasive species to isolate and treat populations. The Town’s Environmental Commission will keep records of areas of identified invasive species during tree management and share information with NYSDEC.				
Action Number	TEL-9	Goal(s) Addressed	1, 4	Prioritization Score	14/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Invasive Species and Infestation, Severe Weather, Winter Weather			
Project Status		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization		Town of Elbridge Highway Department, Town of Elbridge Environmental Commission	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	
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>		No	Additional Details <i>(optional)</i>	During extreme weather, falling tree limbs and trees lead to closed roads, infrastructure damage, and power outages. This prevents emergency personnel from accessing communities throughout the Town. Additionally, there are no specific tree species that are prone to falling, but ash trees are prone to Emerald Ash Borer infestation.	



Mitigation Action	Dredge the Seneca River/Cross Lake regularly to remove debris which can lead to flooding and ice jams.				
Action Number	TEL-10	Goal(s) Addressed	3, 4, 5	Prioritization Score	12/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	4 to 5 Years	Implementation Priority	High
Hazard(s) Mitigated		Flood, Severe Weather			
Project Status		No Progress/Not Yet Started	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization	Town of Elbridge Town Board		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)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>	Eno Point is prone to ice jams and log jams due to shallow water and debris.		



Mitigation Action	Coordinate with Onondaga County Soil & Water Conservation District to conduct outreach for farmers on the need to preserve hedgerows.				
Action Number	TEL-11	Goal(s) Addressed	2, 3, 4, 5	Prioritization Score	14/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	High
Hazard(s) Mitigated		Geologic Hazards, Winter Weather			
Project Status		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Low			
Lead Agency / Organization	Town of Elbridge Town Board		Supporting Agency / Organization <i>(If applicable)</i>	Onondaga County Soil & Water Conservation District	
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 a notification system (e.g., robocall) to notify Town residents on harmful algal bloom events.				
Action Number	TEL-12	Goal(s) Addressed	1, 2, 6	Prioritization Score	14/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	2 to 3 Years	Implementation Priority	High
Hazard(s) Mitigated		Harmful Algal Bloom			
Project Status		No Progress/Not Yet Started	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge Town Board		Supporting Agency / Organization <i>(If applicable)</i>	Onondaga County Soil & Water Conservation District	
Additional Participating Jurisdictions <i>(If applicable)</i>	N/A				
Estimated Cost	High	Potential Funding Source	General Fund (Staff Time)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>	Harmful algal bloom events require notification of water advisories, but the Town lacks the ability to efficiently notify residents. The Town has and continues to collaborate with Onondaga County Soil & Water Conservation District for the control and eradication of water chestnuts. The Town’s Highway Department has an ongoing system of monitoring and removing of dead ash trees that pose a hazard to the Town right of ways. However, Onondaga County needs to implement a better strategy for managing these on County right of ways that are within the Town.		



Mitigation Action	Increase testing frequency of bodies of water within the Town, to supplement the State’s testing, for early detection of harmful algal blooms.				
Action Number	TEL-13	Goal(s) Addressed	1, 2, 4, 6	Prioritization Score	9/15
Year Added to Plan	2019	Timeline <i>(estimated)</i>	Ongoing	Implementation Priority	Medium
Hazard(s) Mitigated		Harmful Algal Bloom			
Project Status		Continuous	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge Town Board, Town of Elbridge Environmental Commission		Supporting Agency / Organization <i>(If applicable)</i>		
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>	State testing is often limited in frequency and areas sampled.		



Mitigation Action	Develop a comprehensive extreme weather response and resilience initiative. This initiative should include, but not be limited to, the following:					
	<ul style="list-style-type: none">• Ensure residents have adequate shelter facilities with properly trained staff that can address the needs of the underserved population (e.g., elderly, homeless, low income, and access and functional needs).• Implement an adequate monitoring system to monitor individuals that are housebound, elderly, individuals with access and functional needs, and those that are electrically dependent.• Disseminate family and traveler emergency preparedness information relating to heat wave/extreme heat, severe weather, and winter weather hazards. <i>Refer to mitigation action TEL-2.</i>• Collaborate with local farmers to address livestock or other animal needs, and encourage them to leave natural snow fences along the roadside.					
	Action Number	TEL-14	Goal(s) Addressed	1, 2, 3, 4, 5, 6	Prioritization Score	10/15
	Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
	Hazard(s) Mitigated		Heat Wave/Extreme Heat, Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A		
Benefits <i>(Loss Avoided)</i>		Medium				
Lead Agency / Organization	Town of Elbridge Town Board		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, BRIC			
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>				



Mitigation Action	Develop an emergency operations plan that includes preparation for and response operations to severe weather and winter weather events, including long-term disruption of power and transportation infrastructure.				
Action Number	TEL-15	Goal(s) Addressed	1, 4, 6	Prioritization Score	10/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization	Town of Elbridge Highway Department, Town of Elbridge Town Board		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, BRIC		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Ensure power utilities are designed and built to withstand damage and loss of service (e.g., a microgrid with generators, solar power, and battery hookups).				
Action Number	TEL-16	Goal(s) Addressed	1, 3, 6	Prioritization Score	10/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Heat Wave/Extreme Heat, Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge 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), HMGP, BRIC		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Enhance traffic control on roads that are subject to snow drifting and whiteout conditions.				
Action Number	TEL-17	Goal(s) Addressed	1, 6	Prioritization Score	10/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		High			
Lead Agency / Organization	Town of Elbridge 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)		
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>			



Mitigation Action	Establish mutual aid agreements with key organizations (i.e., Onondaga County Soil & Water Conservation District, New York State Canal System) to coordinate conservation, preservation, and mitigation; and ensure integration of programs.				
Action Number	TEL-18	Goal(s) Addressed	1, 3, 4, 5, 6	Prioritization Score	10/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Harmful Algal Bloom, Invasive Species and Infestation			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Low			
Lead Agency / Organization	Town of Elbridge Town Board		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 a comprehensive flood response and resilience initiative. This initiative should include, but not be limited to, the following:					
	<ul style="list-style-type: none">Support the federal initiative to develop and disseminate maps that show flood hazards under future conditions (e.g., increased impervious areas upstream, potential effects of climate change). To the extent possible, maps should predict the extent of flooding for at least 50 years in the future.Plan traffic control operations during flood events, maintaining dry access and above base flood elevation.Replace culvert size and placement to manage drainage and flow issues.Distribute emergency preparedness information relating to flooding. <i>Refer to mitigation action TEL-2.</i>					
	Action Number	TEL-19	Goal(s) Addressed	1, 2, 3, 6	Prioritization Score	12/15
	Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	High
	Hazard(s) Mitigated		Flood			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A		
Benefits <i>(Loss Avoided)</i>		Medium				
Lead Agency / Organization	Town of Elbridge Town Board		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, BRIC, FMA			
Critical Facility <i>(Critical Facility located in 1% floodplain?)</i>	No	Additional Details <i>(optional)</i>				



Mitigation Action	Coordinate with the Onondaga County Department of Emergency Management to ensure warning siren coverage is adequate for the Town and address any known emergency response gaps.				
Action Number	TEL-20	Goal(s) Addressed	1, 5, 6	Prioritization Score	9/15
Year Added to Plan	2025	Timeline <i>(estimated)</i>	1 to 5 Years	Implementation Priority	Medium
Hazard(s) Mitigated		Earthquake, Severe Weather, Winter Weather			
Project Status		New	If <i>Discontinued</i> , provide reason.	N/A	
Benefits <i>(Loss Avoided)</i>		Medium			
Lead Agency / Organization	Town of Elbridge Town Board		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>			



APPENDIX A. HAZARD MAPS

The following hazard maps have been generated for the Town of Elbridge – **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 Town of Elbridge 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

JUL 01 2024

**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: Town of Elbridge

Name of Authorized Representative:

Vernon Richardson, Town Supervisor

Signature of Authorized Representative:

Primary Point-of-Contact (POC):

Name: James (Jim) White

Title: Superintendent

Department: Town Highway

Phone Number: (315) 246-7256

Email: highwaysup@townofelbridge.com

Secondary Point-of-Contact (POC):

Name: Floyd Duger

Title: Councilor

Department: Town Board

Phone Number: (315) 569-2978

Email: fduger@aol.com

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]