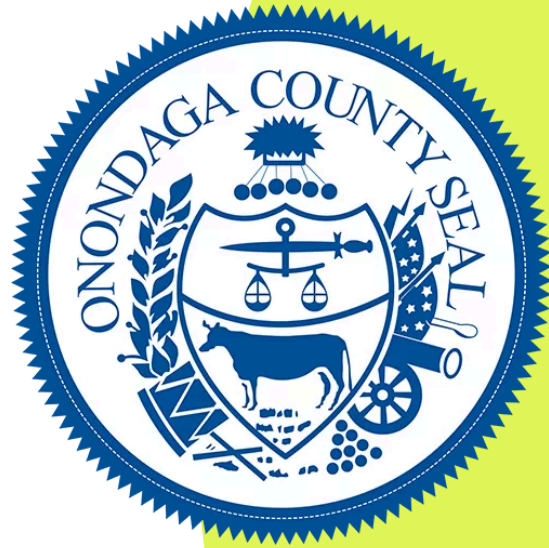


# 2025 Hazard Mitigation Plan

Onondaga County,  
New York

**Town of Elbridge  
Annex**





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This Annex details the hazard mitigation elements specific to the Town of Elbridge, a participating jurisdiction in 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 of 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 York State Route 317. Additionally, the Village of Jordan is located within the Town at the junction of New York State Route 31 and New York State Route 317. *The Village of Elbridge and the Village of Jordan each have developed their 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 the poverty level.



Table 1. Population Trends

| Population        |                   |                   |                                    | Underserved Population                    |   |                                  |
|-------------------|-------------------|-------------------|------------------------------------|---|---|----------------------------------|
| 2010 <sup>1</sup> | 2018 <sup>2</sup> | 2023 <sup>3</sup> | Population Change<br>(2018 – 2023) | Youth <sup>3</sup><br>(Under 5 years old) | Elderly <sup>3</sup><br>(Over 65 years old) | Below Poverty Level <sup>3</sup> |
| 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 Town's population.

By the early 1900s, 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, but there were no banks in the area to support the 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 1950s. The New York State Thruway was soon built, but no exit was created for the Town of Elbridge, and the industry subsequently 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.<sup>4</sup>

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

<sup>2</sup> 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>.

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

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



**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        |
| Apartment Units     | 0        | 0        | 0        | 0        | 0        |
| <b>Total Units</b>  | <b>6</b> | <b>3</b> | <b>2</b> | <b>2</b> | <b>6</b> |

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 20<sup>th</sup> Century trajectory. If household growth in the towns within this sub-region grew sufficiently, it could encourage the development of some additional commercial uses. Under a low-growth scenario, it is likely that the towns within the 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 significant residential/commercial development and significant 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<br><i>(e.g., residential, commercial)</i> | # of Units/ Structures | Known Hazard Zone(s) | Status of Development |
|--|----------|--|------------------------|----------------------|-----------------------|
| <b>Recent Development in the Past Five (5) Years (2019 – 2024)</b>                                       |          |  |                        |                      |                       |
| The Town has not experienced significant development in hazard-prone areas over the past five (5) years. |          |  |                        |                      |                       |
| <b>Known or Anticipated Development in the Next Five (5) Years (2024 – 2029)</b>                         |          |  |                        |                      |                       |
| 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 to achieve 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 developing specific hazard mitigation actions and projects is assessing existing authorities, policies, programs, and resources and capabilities, and using or modifying 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 and improve these existing policies and programs to integrate hazard mitigation into the Town's day-to-day activities 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<br><i>(local, county,<br/>state, federal)</i> | Responsible<br>Department/<br>Agency | Code Citation and Comments<br><i>(e.g., Code Chapter, name of plan,<br/>explanation of authority, etc.)</i>                        |
|------------------------------------|--------|---|--------------------------------------|--|
| <b>Planning Capability</b>         |        |   |                                      |  |
| 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  |



| Capability Category                     | Yes/No | Authority<br>(local, county,<br>state, federal) | Responsible<br>Department/<br>Agency   | Code Citation and Comments<br>(e.g., Code Chapter, name of plan,<br>explanation of authority, etc.)                                 |
|---|--------|---|--|---|
| 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             | 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 |
| <b>Regulatory Capability</b>            |        |   |  |   |
| Building Code                           | Yes    | State, Local                                    | Building, Codes, and Zoning Department | Chapter 16 of the New York State Building Code<br>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<br>(local, county,<br>state, federal) | Responsible<br>Department/<br>Agency                  | Code Citation and Comments<br>(e.g., Code Chapter, name of plan,<br>explanation of authority, etc.)   |
|---|--------|---|---|---|
| NFIP: Freeboard   | Yes    | State, Local                                    | Building, Codes,<br>and Zoning<br>Department          | Chapter 16 of the New York State Building Code<br><br>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,<br>and Zoning<br>Department          | Chapter 265, Article XII of the Town Code   |
| Stormwater Management Ordinance   | Yes    | Local   | Building, Codes,<br>and Zoning<br>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, their skills, and tools that 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   |
|----------------------------------|--------|--|
| <b>Administrative Capability</b> |        |  |
| Planning Board                   | Yes    |  |
| Mitigation Planning Committee    | Yes    | Town Councilor, Town Board<br>Highway Superintendent, Highway Department |
| Environmental Board/Commission   | Yes    | Environmental Commission   |
| Open Space Board/Committee       | No     | N/A  |



| Capability  | Yes/No | Position/Department/Agency  |
|---|--------|---|
| Economic Development Commission/Committee   | No     | N/A   |
| Maintenance programs to reduce risk   | Yes    | Highway Superintendent, Highway Department                                      |
| Mutual aid agreements   | Yes    | Jordan Fire Department<br>Elbridge Fire Department<br>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<br>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** lists 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> , Hazard Mitigation Grant Program (HMGP), HMGP Post Fire, Flood Mitigation Assistance (FMA) Program) | Yes                           |
| Capital Improvements Project Funding  | Yes                           |
| Authority to Levy Taxes for specific purposes   | Yes                           |
| User fees for water, sewer, gas, or electric service  | Yes                           |



| Financial Resources   | Accessible or Eligible to Use |
|---|-------------------------------|
| 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<br><i>Facebook: <a href="https://www.facebook.com/TownOfElbridgeOfficial/">facebook.com/TownOfElbridgeOfficial/</a><br/>Instagram: <a href="https://www.instagram.com/town_of_elbridge/">instagram.com/town_of_elbridge/</a></i> |
| 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 reduce its vulnerability to the identified hazards. These classifications can be viewed as a gauge of the community’s capabilities across all phases of emergency management (i.e., preparedness, response, recovery, and mitigation) and are used as underwriting parameters to determine the costs of various insurance forms. Table 8 summarizes classifications for community programs available to the Town of Elbridge.



**Table 8. Community Classifications**

| <b>Program</b>  | <b>Yes/No</b> | <b>Classification<br/>(if applicable)</b>                 | <b>Date Classified<br/>(if applicable)</b> |
|---|---------------|---|--|
| 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**

Table 9 provides an approximate measure of the Town of Elbridge’s capability to work in a hazard mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

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

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



#### 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 who 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.<sup>5</sup>

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 a building constructed after 1978, regardless of any changes in ownership:<sup>6</sup>

- 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                                 | --        |
| <i>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</i> |                 |                                   |           |

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.

<sup>5</sup> 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](https://agents.floodsmart.gov/sites/default/files/fema_nfip-policyholders-guide-severe-repetitive-loss_brochure_07-2023.pdf).

<sup>6</sup> 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](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 meet the NFIP requirements.

### Substantial Damage/Substantial Improvement Determination Process

The Town of Elbridge's Substantial Damage/Substantial Improvement determination process ensures compliance with the NFIP and the local floodplain management ordinances (as outlined earlier in this section). To determine whether a structure has sustained Substantial Damage/Substantial Improvement after a flood event, the Town uses a combination of the FEMA Substantial Damage Estimator tool and reviews by the Town's Building Inspector, Architect, Fire Marshal, and other relevant officials. The Floodplain Administrator and Building Inspector conduct site inspections and review contractor estimates to determine whether repair costs would exceed 50% of the structure's market value before the disaster.

## 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 their efforts to reduce long-term risks and build 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 incorporating hazard mitigation principles and actions into other plans and integrating 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. During the performance period since the adoption of the previous Hazard Mitigation Plan, the Town of Elbridge has made progress in 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 in which the previous Plan was integrated, along with the information integrated.

**Table 14. Current Plan Integration**

| Planning Initiative        | Current Integration Description  |
|----------------------------|--|
| Comprehensive Plan         | The Smart Growth Comprehensive Plan integrates hazard mitigation by aligning the Hazard Mitigation Plan's mitigation actions with the Comprehensive Plan's vision and goals. The Plan guides the Town's land use and development while protecting critical resources and ensuring 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) regulated community with a formal Stormwater Management Plan. The Stormwater Management Plan specifies requirements to reduce stormwater volume 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 in the municipal budget and capital improvements budget.  |
| Public Outreach            | The Town's website and social media (i.e., Facebook and Instagram) provide 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 used to distribute emergency information, updates, and public notices, and an electronic board used 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 the 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 funding sources for capital improvement projects and may result in modifications to proposed projects based on the risk assessment results. |
| 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 applicable.                             |



| Planning Initiative | Potential Integration Description   |
|---------------------|---|
| Public Outreach     | The Town will continue to conduct outreach and education for the public and 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 of 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 scheduled for update in the next year and during the annual update process of the Hazard Mitigation Plan. Additionally, the Local Planning Team will identify opportunities to integrate key elements of the Hazard Mitigation Plan, specifically relevant strategies, into the planning initiatives. 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 profile 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<br><i>(Disaster Declaration, if applicable)</i> | Description   |
|----------------------|--|---|
| January 9 – 10, 2024 | Severe Weather   | A strong winter storm moved through the area between January 9 <sup>th</sup> and 10 <sup>th</sup> . 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 affected area was 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 cleanup and shoulder repair. |
| Spring 2017 and 2018 | Flood  | Snowmelt caused the Seneca River to rise, resulting 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 populations or those with access and functional needs may be more susceptible under certain conditions).

Table 17 outlines the *unique vulnerabilities and impacts* for the Town of Elbridge and addresses only the hazards relevant 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  |
|---|--|
| <b>Drought</b>  | 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.  |
| <b>Earthquake</b>   | The Local Planning Team determined that the Town 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.  |
| <b>Heat Wave/Extreme Heat</b>   | 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 waves/extreme heat events because this population has a harder time adjusting to extreme temperatures, is more likely to have chronic conditions that may be exacerbated during heat waves/extreme heat events, and is 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. The low-income population is uniquely vulnerable to heat waves/extreme heat events due to limited access to air conditioning and a lack of resources to cope during these events, potentially being exposed to heat-related illnesses (e.g., heat stroke, heat exhaustion, heat cramps). |
| <b>Flood</b><br><i>(riverine, flash/urban, ice jam, dam and levee failure)</i>  | Severe flooding damages road culverts and drainage, and waterfront properties along the Seneca River are uniquely vulnerable to flooding.  |
| <b>Geological Hazards</b><br><i>(landslides, land subsidence, mudboils)</i>   | The Local Planning Team determined that the Town 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.   |
| <b>Harmful Algal Bloom</b>  | Harmful algal blooms can impact the lakes that provide water supply to the Town, affecting the safety of potable water and posing a risk to water recreational activities (e.g., swimming, boating), livestock, and pets.  |
| <b>Invasive Species and Infestation</b><br><i>(Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)</i> | 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 onto roadways, power utility lines, and communication lines.   |
| <b>Severe Weather</b><br><i>(severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)</i>   | 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 those who are electrically dependent, are uniquely vulnerable to power outages.  |



| Hazard  | Vulnerabilities and Impacts   |
|---|---|
| <b>Winter Weather</b><br><i>(blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)</i> | 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 they have 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 those who are electrically dependent. |
| <b>Wildfire</b><br><i>(wildfire smoke)</i>  | 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 area 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 on 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 |
|---|--------------------------|
| <b>Current Vulnerability and Impact</b>   |                          |
| 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>   | 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        |
| <b>Future Vulnerability and Impact</b>  |                          |
| 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>   | No Change Anticipated    |



| Hazard  | Vulnerability and Impact |
|---|--------------------------|
| 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 whether 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 |
|---|--------------------------|
| <b>Current Vulnerability and Impact</b>   |                          |
| 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> )   | 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        |
| <b>Future Vulnerability and Impact</b>  |                          |
| 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> )   | 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 20 outlines whether 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 |
|---|--------------------------|
| <b><i>Current Vulnerability and Impact</i></b>  |                          |
| 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        |
| <b><i>Future Vulnerability and Impact</i></b>   |                          |
| 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 a community's character and function. 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 has 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 waves/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 built to comply with the latest building codes and standards, and will be mitigated to protect them from identified and anticipated hazards, especially those 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 in accordance with certain mitigation specifications, including being raised two (2) feet above the Base Flood Elevation (BFE).<sup>7</sup> 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 ensure they are protected against a 0.2% chance (500-year) flood event. Critical facilities located in an SFHA and/or previously flooded must be protected against a repeat of that flood or the 0.2% chance flood event, whichever provides the greater protection. The Plan must document that those critical facilities are protected to a 0.2% flood event, or the previous worst-case flood event. For those that do not meet this level of protection, the Plan must include a mitigation action that meets or exceeds this criterion, or explain why it is not feasible to do so.<sup>8</sup>

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            | Address | Type | Exposure |          | Potential Loss from 100-Year Flood Event |                  | Facility Protected | Addressed by Proposed Action |
|-----------------|---------|------|----------|----------|--|------------------|--------------------|------------------------------|
|                 |         |      | 100-Year | 500-Year | % Structure Damage                       | % Content Damage |                    |                              |
| None identified |         |      |          |          |  |                  |                    |                              |

## 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

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

<sup>8</sup> 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>



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<br><i>(Probability x Consequence)</i> |
|--|--------------------|--------------------------------|---------------------------------------|--------------------------------|-------------------|--|
| Flood<br>(Riverine/Creek, Ice Jam)                                     | 3                  | 12                             | 11                                    | 29                             | 52                | 73   |
| Flood<br>(Urban/Flash Flood)   | 3                  | 12                             | 11                                    | 29                             | 52                | 73   |
| Winter Weather<br>(Blizzards, Lake Effect Snow, Nor'easter, Ice Storm) | 3                  | 12                             | 14                                    | 21                             | 47                | 67   |
| Severe Thunderstorm<br><i>(Severe Weather)</i>                         | 3                  | 12                             | 16                                    | 14                             | 42                | 61   |
| Strong Winds/<br>Damaging Winds<br><i>(Severe Weather)</i>             | 3                  | 12                             | 11                                    | 16                             | 39                | 57   |
| Cold Wave/Extreme Cold<br><i>(Winter Weather)</i>                      | 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/<br>Hurricane<br><i>(Severe Weather)</i>                | 1                  | 9                              | 16                                    | 24                             | 49                | 27   |
| Dam and Levee Failure<br><i>(Flood)</i>                                | 1                  | 12                             | 6                                     | 27                             | 45                | 25   |
| Land Subsidence<br><i>(Geological Hazards)</i>                         | 1                  | 9                              | 11                                    | 18                             | 38                | 22   |
| Hail<br><i>(Severe Weather)</i>  | 1                  | 6                              | 16                                    | 14                             | 36                | 21   |
| Landslide<br><i>(Geological Hazards)</i>                               | 1                  | 12                             | 6                                     | 18                             | 36                | 21   |
| Earthquake   | 1                  | 6                              | 16                                    | 12                             | 34                | 20   |
| Tornado<br><i>(Severe Weather)</i>                                     | 1                  | 6                              | 6                                     | 22                             | 34                | 20   |
| Mudboils<br><i>(Geological Hazards)</i>                                | 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<br>(Probability x Consequence) |
|------------------------------|--------------------|--------------------------------|---------------------------------------|--------------------------------|-------------------|---|
| Wildfire<br>(Wildfire Smoke) | 1                  | 3                              | 6                                     | 11                             | 20                | 13  |

*Consequence:* Sum of all weighted factors.  
*Extent:* Sum of the weighted Extent factors.  
*Vulnerability:* Sum of the weighted Vulnerability factors.

*Impact:* Sum of the weighted Impact factors.  
*Total Risk Score\** = 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     |

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.



## 11. MITIGATION ACTIONS

This section includes the mitigation actions developed to address the risks and vulnerabilities to the 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 on **22** mitigation actions that apply to the jurisdiction’s properties for which it has jurisdictional responsibility and authority. Two (2) mitigation actions were completed. A summary of the Town’s mitigation actions status is listed in **Table 23**.

**Note:** The mitigation actions outlined in this Plan are designed only to address those natural hazards that received a risk ranking of *medium* or *high* during the hazard risk assessment (**Table 22**). Hazards that ranked *low* (earthquakes, geological hazards, and wildfires) will not have specific mitigation actions detailed in this document.

**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   |     | 11   |     |
| <b>TOTAL</b>  |     | <b>22</b>  |     |
| Complete  |     | 2  |     |
| Discontinued  |     | 0  |     |
| Mitigation Actions per Hazard   |     |  |     |
| Drought   | 5   | Harmful Algal Bloom  | 7   |
| Earthquake  | N/A | Invasive Species and Infestation<br><i>(Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)</i> | 7   |
| Heat Wave/Extreme Heat  | 7   | Severe Weather<br><i>(severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm, nor’easter)</i>   | 12  |
| Flood<br><i>(riverine, flash/urban, ice jam, dam and levee failure)</i> | 9   | Winter Weather<br><i>(blizzards, heavy snow, ice storms, cold wave/extreme cold)</i>   | 12  |
| Geological Hazards<br><i>(landslides, land subsidence, mudboils)</i>    | N/A | Wildfire<br><i>(wildfire smoke)</i>  | N/A |

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



|  |  |   |   |                                |       |
|--|--|---|---|--------------------------------|-------|
| <b>Mitigation Action</b>   | Where appropriate, support retrofitting or relocation of structures in high-hazard areas, prioritizing structures that have experienced repetitive losses. |   |   |                                |       |
| <b>Action Number</b>   | TEL-1  | <b>Goal(s) Addressed</b>  | 1, 2, 3, 6  | <b>Prioritization Score</b>    | 11/15 |
| <b>Year Added to Plan</b>  | 2013   | <b>Timeline</b><br><i>(estimated)</i>                             | Ongoing   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Drought, Heat Wave/Extreme Heat, Flood, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather                              |   |   |                                |       |
| <b>Project Status</b>  | Continuous   | If <i>Discontinued</i> , provide reason.                          |   | N/A                            |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   | High   |   |   |                                |       |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Highway Department (Floodplain Administrator)   | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> |   | N/A                            |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A  |   |   |                                |       |
| <b>Estimated Cost</b>  | High   | <b>Potential Funding Source</b>                                   | General Fund (Staff Time), HMGP, FMA  |                                |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No   | <b>Additional Details</b><br><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. |                                |       |



|  |   |  |   |  |       |
|--|---|--|---|--|-------|
| <b>Mitigation Action</b>   | Develop and implement a strategic, adaptive community-based resilience initiative to build long-term community resilience against severe weather and winter weather events, including extreme cold temperatures (e.g., cold waves) and power outages resulting from winter weather and severe weather events. The initiative will include, but not be limited to:   |  |   |  |       |
|  | <ul style="list-style-type: none"> <li>Utilize a multi-channel public outreach campaign to educate the public about cold weather illnesses, protective actions, and available resources to reduce risk and exposure during cold wave/extreme cold events. Outreach efforts will specifically target individuals who are particularly vulnerable during winter weather events.</li> <li>Consider the Implementation of climate adaptation measures, such as identifying community centers that can serve as warming centers during winter weather events. The same facilities will be utilized as shelters during severe weather events, particularly for those who reside in mobile homes and individuals who are electrically dependent.</li> <li>Establish a program that requires farmers to maintain natural or permanent snow fences along roadways to reduce the risk of snowdrifts and improve road safety.</li> </ul> |  |   |  |       |
| <b>Action Number</b>   | TEL-2   | <b>Goal(s) Addressed</b>                       | 1, 2, 3, 4, 5, 6  | <b>Prioritization Score</b>            | 15/15 |
| <b>Year Added to Plan</b>  | 2013  | <b>Timeline</b><br><i>(estimated)</i>          | Ongoing   | <b>Implementation Priority</b>         | High  |
| <b>Hazard(s) Mitigated</b>   |   | Severe Weather, Winter Weather                 |   |  |       |
| <b>Project Status</b>  |   | Continuous                                     | If <i>Discontinued</i> , provide reason.                          | N/A                                    |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   |   | Low  |   |  |       |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Town Board   |  | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> | Onondaga County Department of Planning |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A   |  |   |  |       |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                | General Fund (Staff Time)   |  |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No  | <b>Additional Details</b><br><i>(optional)</i> |   |  |       |



|  |  |   |                           |                                |       |
|--|--|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Actively support and participate in the implementation, monitoring, maintenance, and updating of this Hazard Mitigation Plan, as outlined and defined in Volume 1. |   |                           |                                |       |
| <b>Action Number</b>   | TEL -3   | <b>Goal(s) Addressed</b>                                | 1, 2, 3, 4, 5, 6          | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2013   | <b>Timeline (estimated)</b>                             | Ongoing                   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Drought, Heat Wave/Extreme Heat, Flood, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather                                      |   |                           |                                |       |
| <b>Project Status</b>  | Continuous   | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | High   |   |                           |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board  | <b>Supporting Agency / Organization (If applicable)</b> |                           | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                           |                                |       |
| <b>Estimated Cost</b>  | Low  | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                           |                                |       |



|  |   |  |   |                                |       |
|--|---|--|---|--------------------------------|-------|
| <b>Mitigation Action</b>   | <p>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:</p> <ul style="list-style-type: none"> <li>• Enforce the flood damage prevention ordinance (e.g., regulating all new and substantially improved construction in Special Hazard Flood Areas).</li> <li>• Participate in floodplain identification and mapping updates.</li> <li>• Provide public assistance/outreach on floodplain requirements and impacts.</li> </ul> |  |   |                                |       |
| <b>Action Number</b>   | TEL-4   | <b>Goal(s) Addressed</b>                                       | 1, 2, 3, 4, 5, 6  | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2013  | <b>Timeline</b><br><i>(estimated)</i>                          | Ongoing   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   |   | Flood, Severe Weather  |   |                                |       |
| <b>Project Status</b>  |   | Continuous   | If <i>Discontinued</i> , provide reason.                          | N/A                            |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   |   | Medium   |   |                                |       |
| <b>Lead Agency / Organization</b>  |   | Town of Elbridge Highway Department (Floodplain Administrator) | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> | N/A                            |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          |   | N/A  |   |                                |       |
| <b>Estimated Cost</b>  |   | Low  | <b>Potential Funding Source</b>                                   | General Fund (Staff Time)      |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> |   | No   | <b>Additional Details</b><br><i>(optional)</i>                    |                                |       |



|  |   |   |                           |                                |       |
|--|---|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Develop, enhance, and implement the Town's existing emergency plans.  |   |                           |                                |       |
| <b>Action Number</b>   | TEL-5   | <b>Goal(s) Addressed</b>  | 1, 6                      | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2013  | <b>Timeline</b><br><i>(estimated)</i>                             | Ongoing                   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Drought, Heat Wave/Extreme Heat, Flood, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather |   |                           |                                |       |
| <b>Project Status</b>  | Continuous  | If <i>Discontinued</i> , provide reason.                          |                           | N/A                            |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   | High  |   |                           |                                |       |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Town Board   | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> |                           | N/A                            |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A   |   |                           |                                |       |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                                   | General Fund (Staff Time) |                                |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No  | <b>Additional Details</b><br><i>(optional)</i>                    |                           |                                |       |



|  |   |   |                           |                                |       |
|--|---|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Develop, enhance, and maintain mutual aid agreements with surrounding municipalities and counties.                            |   |                           |                                |       |
| <b>Action Number</b>   | TEL-6   | <b>Goal(s) Addressed</b>  | 1, 5, 6                   | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2013  | <b>Timeline</b><br><i>(estimated)</i>                             | Ongoing                   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Drought, Heat Wave/Extreme Heat, Flood, Harmful Algal Bloom, Invasive Species and Infestation, Severe Weather, Winter Weather |   |                           |                                |       |
| <b>Project Status</b>  | Continuous  | If <i>Discontinued</i> , provide reason.                          |                           | N/A                            |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   | High  |   |                           |                                |       |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Town Board   | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> |                           | N/A                            |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A   |   |                           |                                |       |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                                   | General Fund (Staff Time) |                                |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No  | <b>Additional Details</b><br><i>(optional)</i>                    |                           |                                |       |



|  |   |   |     |                                |     |
|--|---|---|-----|--------------------------------|-----|
| <b>Mitigation Action</b>   | Upsize the culvert at Sandbank Road, currently undersized at 48 inches, to a 60-inch culvert. |   |     |                                |     |
| <b>Action Number</b>   | TEL-7   | <b>Goal(s) Addressed</b>                                | 1   | <b>Prioritization Score</b>    | N/A |
| <b>Year Added to Plan</b>  | 2019  | <b>Timeline (estimated)</b>                             | N/A | <b>Implementation Priority</b> | N/A |
| <b>Hazard(s) Mitigated</b>   | Flood, Severe Weather   |   |     |                                |     |
| <b>Project Status</b>  | Complete  | If <i>Discontinued</i> , provide reason.                |     | N/A                            |     |
| <b>Benefits (Loss Avoided)</b>   | N/A   |   |     |                                |     |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Highway Department   | <b>Supporting Agency / Organization (If applicable)</b> |     | N/A                            |     |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A   |   |     |                                |     |
| <b>Estimated Cost</b>  | N/A   | <b>Potential Funding Source</b>                         | N/A |                                |     |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | N/A   | <b>Additional Details (optional)</b>                    |     |                                |     |



|  |  |   |     |                                |     |
|--|--|---|-----|--------------------------------|-----|
| <b>Mitigation Action</b>   | Retrofit the bridge at Gorham Road, which is currently undersized, to allow for an opening of 10 feet by 9 feet. |   |     |                                |     |
| <b>Action Number</b>   | TEL-8  | <b>Goal(s) Addressed</b>                                | 1   | <b>Prioritization Score</b>    | N/A |
| <b>Year Added to Plan</b>  | 2019   | <b>Timeline (estimated)</b>                             | N/A | <b>Implementation Priority</b> | N/A |
| <b>Hazard(s) Mitigated</b>   | Flood, Severe Weather  |   |     |                                |     |
| <b>Project Status</b>  | Complete   | If <i>Discontinued</i> , provide reason.                |     | N/A                            |     |
| <b>Benefits (Loss Avoided)</b>   | N/A  |   |     |                                |     |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Highway Department  | <b>Supporting Agency / Organization (If applicable)</b> |     | N/A                            |     |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |     |                                |     |
| <b>Estimated Cost</b>  | N/A  | <b>Potential Funding Source</b>                         | N/A |                                |     |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | N/A  | <b>Additional Details (optional)</b>                    |     |                                |     |



|  |  |   |  |                                |       |
|--|--|---|--|--------------------------------|-------|
| <b>Mitigation Action</b>   | 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. |   |  |                                |       |
| <b>Action Number</b>   | TEL-9  | <b>Goal(s) Addressed</b>                                | 1, 4   | <b>Prioritization Score</b>    | 14/15 |
| <b>Year Added to Plan</b>  | 2019   | <b>Timeline (estimated)</b>                             | Ongoing  | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Invasive Species and Infestation, Severe Weather, Winter Weather   |   |  |                                |       |
| <b>Project Status</b>  | Continuous   | If <i>Discontinued</i> , provide reason.                |  | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | Medium   |   |  |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Highway Department, Town of Elbridge Environmental Commission   | <b>Supporting Agency / Organization (If applicable)</b> |  | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |  |                                |       |
| <b>Estimated Cost</b>  | Medium   | <b>Potential Funding Source</b>                         | General Fund (Staff Time), HMGP  |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    | 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. |                                |       |



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



|  |   |   |  |                                |       |
|--|---|---|--|--------------------------------|-------|
| <b>Mitigation Action</b>   | Coordinate with the Onondaga County Soil & Water Conservation District to conduct outreach for farmers on the need to preserve hedgerows. |   |  |                                |       |
| <b>Action Number</b>   | TEL-11  | <b>Goal(s) Addressed</b>  | 2, 3, 4, 5   | <b>Prioritization Score</b>    | 14/15 |
| <b>Year Added to Plan</b>  | 2019  | <b>Timeline</b><br><i>(estimated)</i>                             | Ongoing  | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Winter Weather  |   |  |                                |       |
| <b>Project Status</b>  | Continuous  | If <i>Discontinued</i> , provide reason.                          |  | N/A                            |       |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   | Low   |   |  |                                |       |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Town Board   | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> | Onondaga County Soil & Water Conservation District |                                |       |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A   |   |  |                                |       |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                                   | General Fund (Staff Time)                          |                                |       |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No  | <b>Additional Details</b><br><i>(optional)</i>                    |  |                                |       |



|  |  |   |  |                                |       |
|--|--|---|--|--------------------------------|-------|
| <b>Mitigation Action</b>   | Develop a notification system (e.g., robocalls) to inform Town residents about harmful algal bloom events. |   |  |                                |       |
| <b>Action Number</b>   | TEL-12   | <b>Goal(s) Addressed</b>                                | 1, 2, 6  | <b>Prioritization Score</b>    | 14/15 |
| <b>Year Added to Plan</b>  | 2019   | <b>Timeline (estimated)</b>                             | 2 to 3 Years   | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Harmful Algal Bloom  |   |  |                                |       |
| <b>Project Status</b>  | No Progress/Not Yet Started  | <i>If Discontinued, provide reason.</i>                 | N/A  |                                |       |
| <b>Benefits (Loss Avoided)</b>   | High   |   |  |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board  | <b>Supporting Agency / Organization (If applicable)</b> | Onondaga County Soil & Water Conservation District   |                                |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |  |                                |       |
| <b>Estimated Cost</b>  | High   | <b>Potential Funding Source</b>                         | General Fund (Staff Time)  |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    | <p>Harmful algal bloom events require notification of water advisories, but the Town lacks the ability to efficiently notify residents.</p> <p>The Town has and continues to collaborate with the Onondaga County Soil &amp; 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.</p> |                                |       |



|  |  |   |  |                                |        |
|--|--|---|--|--------------------------------|--------|
| <b>Mitigation Action</b>   | Increase testing frequency of bodies of water within the Town to supplement the State’s testing and support early detection of harmful algal blooms. |   |  |                                |        |
| <b>Action Number</b>   | TEL-13   | <b>Goal(s) Addressed</b>                                | 1, 2, 4, 6   | <b>Prioritization Score</b>    | 9/15   |
| <b>Year Added to Plan</b>  | 2019   | <b>Timeline (estimated)</b>                             | Ongoing  | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   | Harmful Algal Bloom  |   |  |                                |        |
| <b>Project Status</b>  | Continuous   | If <i>Discontinued</i> , provide reason.                |  | N/A                            |        |
| <b>Benefits (Loss Avoided)</b>   | High   |   |  |                                |        |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board, Town of Elbridge Environmental Commission   | <b>Supporting Agency / Organization (If applicable)</b> |  |                                |        |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |  |                                |        |
| <b>Estimated Cost</b>  | Low  | <b>Potential Funding Source</b>                         | General Fund (Staff Time)                                      |                                |        |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    | State testing is often limited in frequency and areas sampled. |                                |        |



|  |  |  |   |                                |        |
|--|--|--|---|--------------------------------|--------|
| <b>Mitigation Action</b>   | Develop a comprehensive initiative to address extreme weather and build resilience. This initiative should include, but not be limited to, the following:  |  |   |                                |        |
|  | <ul style="list-style-type: none"> <li>• 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).</li> <li>• Implement an adequate monitoring system to monitor individuals who are housebound, elderly, individuals with access and functional needs, and those who are electrically dependent.</li> <li>• 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></li> <li>• Collaborate with local farmers to address livestock or other animal needs, and encourage them to leave natural snow fences along the roadside.</li> </ul> |  |   |                                |        |
| <b>Action Number</b>   | TEL-14   | <b>Goal(s) Addressed</b>                               | 1, 2, 3, 4, 5, 6  | <b>Prioritization Score</b>    | 10/15  |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline</b><br><i>(estimated)</i>                  | 1 to 5 Years  | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   |  | Heat Wave/Extreme Heat, Severe Weather, Winter Weather |   |                                |        |
| <b>Project Status</b>  |  | New  | If <i>Discontinued</i> , provide reason.                          | N/A                            |        |
| <b>Benefits</b><br><i>(Loss Avoided)</i>   |  | Medium   |   |                                |        |
| <b>Lead Agency / Organization</b>  | Town of Elbridge Town Board  |  | <b>Supporting Agency / Organization</b><br><i>(If applicable)</i> | N/A                            |        |
| <b>Additional Participating Jurisdictions</b><br><i>(If applicable)</i>          | N/A  |  |   |                                |        |
| <b>Estimated Cost</b>  | Medium   | <b>Potential Funding Source</b>                        | General Fund (Staff Time), HMGP                                   |                                |        |
| <b>Critical Facility</b><br><i>(Critical Facility located in 1% floodplain?)</i> | No   | <b>Additional Details</b><br><i>(optional)</i>         |   |                                |        |



|  |  |   |                                 |                                |        |
|--|--|---|---------------------------------|--------------------------------|--------|
| <b>Mitigation Action</b>   | 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. |   |                                 |                                |        |
| <b>Action Number</b>   | TEL-15   | <b>Goal(s) Addressed</b>                                | 1, 4, 6                         | <b>Prioritization Score</b>    | 10/15  |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline (estimated)</b>                             | 1 to 5 Years                    | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   | Severe Weather, Winter Weather   |   |                                 |                                |        |
| <b>Project Status</b>  | New  | If <i>Discontinued</i> , provide reason.                |                                 | N/A                            |        |
| <b>Benefits (Loss Avoided)</b>   | Medium   |   |                                 |                                |        |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Highway Department, Town of Elbridge Town Board   | <b>Supporting Agency / Organization (If applicable)</b> |                                 | N/A                            |        |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                                 |                                |        |
| <b>Estimated Cost</b>  | Medium   | <b>Potential Funding Source</b>                         | General Fund (Staff Time), HMGP |                                |        |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                                 |                                |        |



|  |  |   |                                 |                                |        |
|--|--|---|---------------------------------|--------------------------------|--------|
| <b>Mitigation Action</b>   | 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). |   |                                 |                                |        |
| <b>Action Number</b>   | TEL-16   | <b>Goal(s) Addressed</b>                                | 1, 3, 6                         | <b>Prioritization Score</b>    | 10/15  |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline (estimated)</b>                             | 1 to 5 Years                    | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   | Heat Wave/Extreme Heat, Severe Weather, Winter Weather   |   |                                 |                                |        |
| <b>Project Status</b>  | New  | If <i>Discontinued</i> , provide reason.                |                                 | N/A                            |        |
| <b>Benefits (Loss Avoided)</b>   | High   |   |                                 |                                |        |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Highway Department  | <b>Supporting Agency / Organization (If applicable)</b> |                                 | N/A                            |        |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                                 |                                |        |
| <b>Estimated Cost</b>  | Medium   | <b>Potential Funding Source</b>                         | General Fund (Staff Time), HMGP |                                |        |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                                 |                                |        |



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



|  |   |   |                           |                                |        |
|--|---|---|---------------------------|--------------------------------|--------|
| <b>Mitigation Action</b>   | Establish mutual aid agreements with key organizations (e.g., Onondaga County Soil & Water Conservation District, New York State Canal System) to coordinate conservation, preservation, and mitigation, and to ensure program integration. |   |                           |                                |        |
| <b>Action Number</b>   | TEL-18  | <b>Goal(s) Addressed</b>                                | 1, 3, 4, 5, 6             | <b>Prioritization Score</b>    | 10/15  |
| <b>Year Added to Plan</b>  | 2025  | <b>Timeline (estimated)</b>                             | 1 to 5 Years              | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   | Harmful Algal Bloom, Invasive Species and Infestation   |   |                           |                                |        |
| <b>Project Status</b>  | New   | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |        |
| <b>Benefits (Loss Avoided)</b>   | Low   |   |                           |                                |        |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board   | <b>Supporting Agency / Organization (If applicable)</b> |                           | N/A                            |        |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A   |   |                           |                                |        |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |        |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No  | <b>Additional Details (optional)</b>                    |                           |                                |        |



|  |   |                                      |   |                                |       |
|--|---|--------------------------------------|---|--------------------------------|-------|
| <b>Mitigation Action</b>   | 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"> <li>• 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.</li> <li>• Plan traffic control operations during flood events, maintaining dry access and above base flood elevation.</li> <li>• Replace culvert size and placement to manage drainage and flow issues.</li> <li>• Distribute emergency preparedness information relating to flooding. <i>Refer to mitigation action TEL-2.</i></li> </ul> |                                      |   |                                |       |
| <b>Action Number</b>   | TEL-19  | <b>Goal(s) Addressed</b>             | 1, 2, 3, 6  | <b>Prioritization Score</b>    | 12/15 |
| <b>Year Added to Plan</b>  | 2025  | <b>Timeline (estimated)</b>          | 1 to 5 Years  | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   |   | Flood                                |   |                                |       |
| <b>Project Status</b>  |   | New                                  | If <i>Discontinued</i> , provide reason.                | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   |   | Medium                               |   |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board   |                                      | <b>Supporting Agency / Organization (If applicable)</b> | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A   |                                      |   |                                |       |
| <b>Estimated Cost</b>  | Medium  | <b>Potential Funding Source</b>      | General Fund (Staff Time), HMGP, FMA                    |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No  | <b>Additional Details (optional)</b> |   |                                |       |



|  |  |   |                           |                                |        |
|--|--|---|---------------------------|--------------------------------|--------|
| <b>Mitigation Action</b>   | Coordinate with the Onondaga County Department of Emergency Management to ensure the Town's warning siren coverage is adequate and to address any known emergency response gaps. |   |                           |                                |        |
| <b>Action Number</b>   | TEL-20   | <b>Goal(s) Addressed</b>                                | 1, 5, 6                   | <b>Prioritization Score</b>    | 9/15   |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline (estimated)</b>                             | 1 to 5 Years              | <b>Implementation Priority</b> | Medium |
| <b>Hazard(s) Mitigated</b>   | Severe Weather, Winter Weather   |   |                           |                                |        |
| <b>Project Status</b>  | New  | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |        |
| <b>Benefits (Loss Avoided)</b>   | Medium   |   |                           |                                |        |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board  | <b>Supporting Agency / Organization (If applicable)</b> |                           | N/A                            |        |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                           |                                |        |
| <b>Estimated Cost</b>  | Low  | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |        |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                           |                                |        |



|  |  |   |                           |                                |       |
|--|--|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Implement a strategic, adaptive community-based resilience initiative to build long-term community resilience to drought. The initiative will utilize a multi-channel public outreach campaign to provide residents, businesses, and the agricultural community with practical knowledge and resources needed for drought mitigation strategies (e.g., water conservation, the use of drought-tolerant landscaping). |   |                           |                                |       |
| <b>Action Number</b>   | TEL-21   | <b>Goal(s) Addressed</b>                                | 2                         | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline (estimated)</b>                             | 2 to 4 Years              | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Drought  |   |                           |                                |       |
| <b>Project Status</b>  | New  | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | Low  |   |                           |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board  | <b>Supporting Agency / Organization (If applicable)</b> |                           | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                           |                                |       |
| <b>Estimated Cost</b>  | Low  | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                           |                                |       |



|  |   |   |                           |                                |       |
|--|---|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Implement a strategic, adaptive community-based resilience initiative to build long-term community resilience against heat waves/extreme heat events. The initiative will utilize a multi-channel public outreach campaign to educate the public about public health illnesses associated with extreme heat, protective actions, and available resources to reduce risk and exposure during heat wave/extreme heat events. Outreach efforts will specifically target individuals who are particularly vulnerable during heat waves/extreme heat events, including, but not limited to, the elderly, young children, pregnant women, individuals with chronic illnesses, individuals without access to air conditioning, and outdoor workers (e.g., agricultural workers). Additionally, implementing climate adaptation measures, such as identifying community centers that can serve as cooling centers, will also be considered. |   |                           |                                |       |
| <b>Action Number</b>   | TEL-22  | <b>Goal(s) Addressed</b>                                | 2                         | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2025  | <b>Timeline (estimated)</b>                             | 2 to 4 Years              | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Heat Wave/Extreme Heat  |   |                           |                                |       |
| <b>Project Status</b>  | New   | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | Low   |   |                           |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board   | <b>Supporting Agency / Organization (If applicable)</b> |                           | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A   |   |                           |                                |       |
| <b>Estimated Cost</b>  | Low   | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No  | <b>Additional Details (optional)</b>                    |                           |                                |       |



|  |   |   |                           |                                |       |
|--|---|---|---------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Enhance mechanical harvesting on the Seneca River to manage biomass, proactively increase river flow capacity, reduce sediment buildup, and minimize flood risk associated with invasive species blockages. |   |                           |                                |       |
| <b>Action Number</b>   | TEL-23  | <b>Goal(s) Addressed</b>                                | 1, 4                      | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2025  | <b>Timeline (estimated)</b>                             | Over 5 Years              | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Flood, Invasive Species and Infestation   |   |                           |                                |       |
| <b>Project Status</b>  | New   | If <i>Discontinued</i> , provide reason.                |                           | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | Medium  |   |                           |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Environmental Commission   | <b>Supporting Agency / Organization (If applicable)</b> | N/A                       |                                |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A   |   |                           |                                |       |
| <b>Estimated Cost</b>  | High  | <b>Potential Funding Source</b>                         | General Fund (Staff Time) |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No  | <b>Additional Details (optional)</b>                    |                           |                                |       |



|  |  |   |                                      |                                |       |
|--|--|---|--------------------------------------|--------------------------------|-------|
| <b>Mitigation Action</b>   | Conduct a feasibility and engineering study for the strategic dredging of Jacks Reef to establish a dedicated secondary channel/floodwater storage area, increasing the Seneca River's high-water capacity and reducing flood risk for the area. |   |                                      |                                |       |
| <b>Action Number</b>   | TEL-24   | <b>Goal(s) Addressed</b>                                | 1, 4                                 | <b>Prioritization Score</b>    | 15/15 |
| <b>Year Added to Plan</b>  | 2025   | <b>Timeline (estimated)</b>                             | Over 5 Years                         | <b>Implementation Priority</b> | High  |
| <b>Hazard(s) Mitigated</b>   | Flood  |   |                                      |                                |       |
| <b>Project Status</b>  | New  | If <i>Discontinued</i> , provide reason.                |                                      | N/A                            |       |
| <b>Benefits (Loss Avoided)</b>   | Medium   |   |                                      |                                |       |
| <b>Lead Agency / Organization</b>                                      | Town of Elbridge Town Board  | <b>Supporting Agency / Organization (If applicable)</b> |                                      | N/A                            |       |
| <b>Additional Participating Jurisdictions (If applicable)</b>          | N/A  |   |                                      |                                |       |
| <b>Estimated Cost</b>  | High   | <b>Potential Funding Source</b>                         | General Fund (Staff Time), HMGP, FMA |                                |       |
| <b>Critical Facility (Critical Facility located in 1% floodplain?)</b> | No   | <b>Additional Details (optional)</b>                    |                                      |                                |       |



## APPENDIX A. HAZARD MAPS

These maps are based on the best available data at the time this Plan was prepared and are considered adequate for planning purposes. Maps have been generated only for hazards that can be distinctly represented using available mapping technologies and data, and for which the Town of Elbridge has significant vulnerability.

- **Figure 1** illustrates the jurisdiction's planning area boundary.
- **Figure 2** illustrates the critical facilities within the planning area.
- **Figure 3** illustrates the jurisdiction's Special Flood Hazard Area (SFHA), including the Flood Zones and the 500-year floodplain in the planning area. Flood Insurance Rate Maps (FIRMs) display flood zones, floodplain boundaries, and Base Flood Elevation (BFE), which are used for floodplain management, flood insurance ratings, and to determine flood insurance requirements. FIRMs show areas with a 1% chance of flooding each year, commonly known as the 100-year floodplains, and are illustrated as the SFHA (Flood Zones A, AE, and AO on the map). The 500-year floodplains show areas with a 0.2% chance of flooding each year.



Figure 1. Town of Elbridge Planning Area

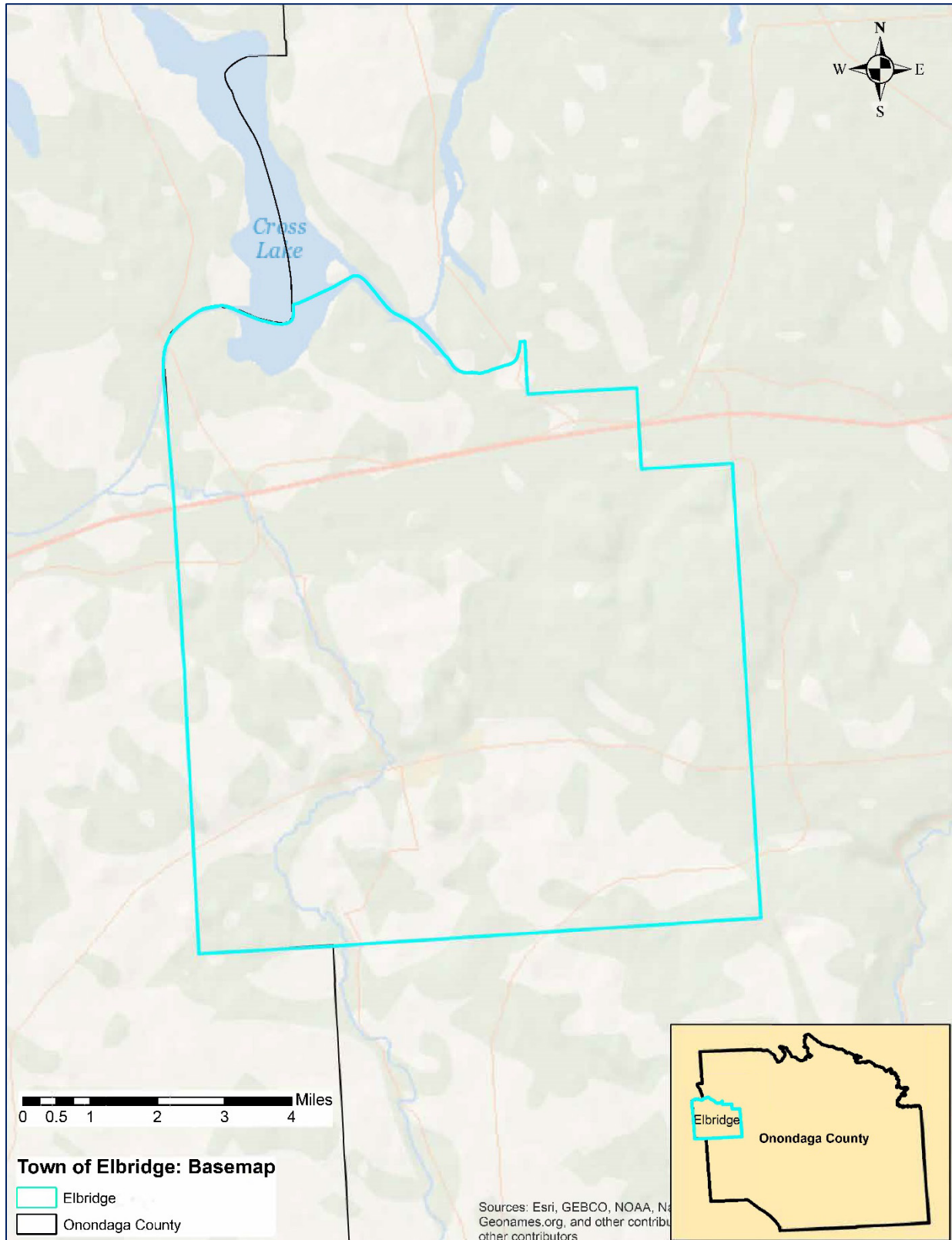




Figure 2. Critical Facilities

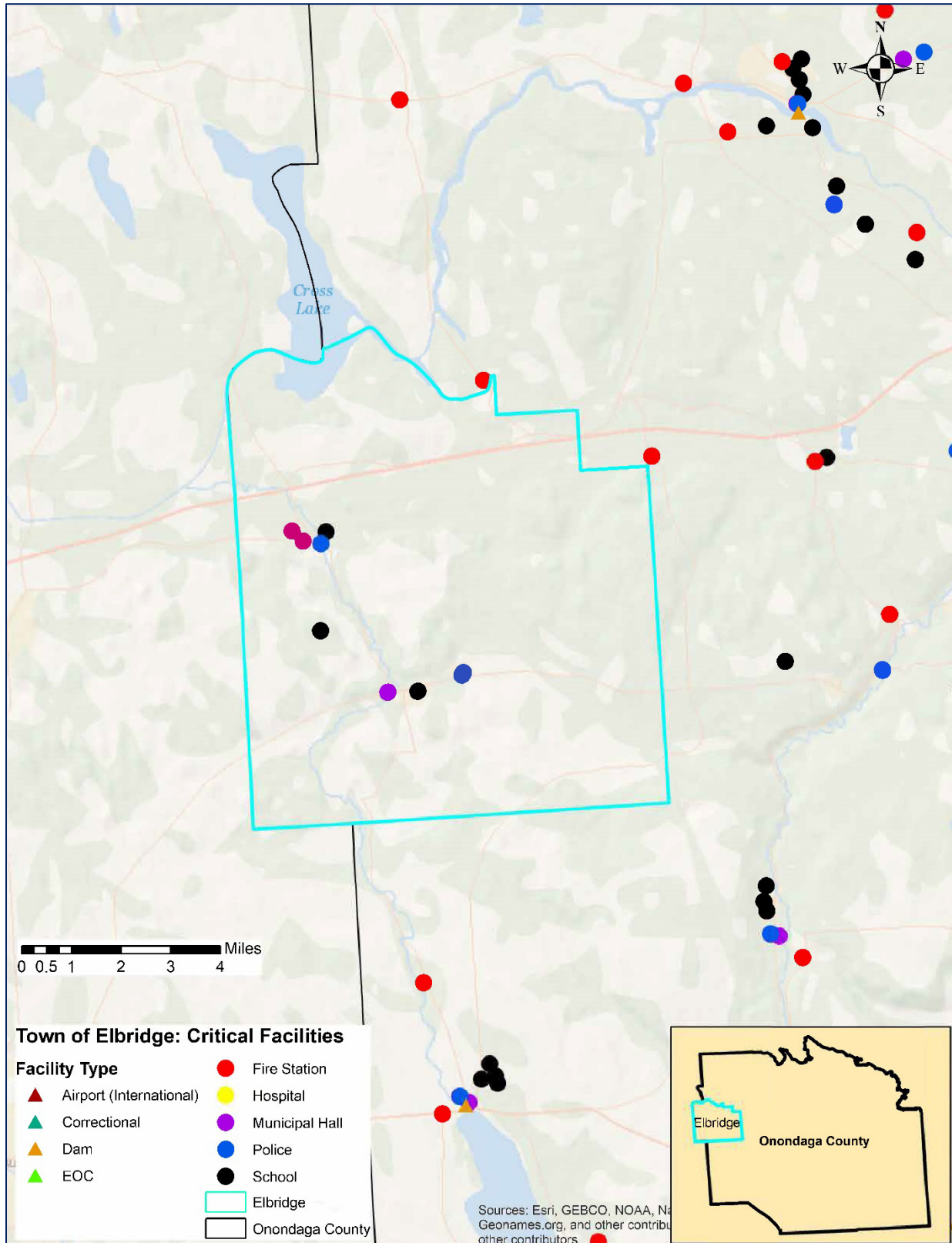
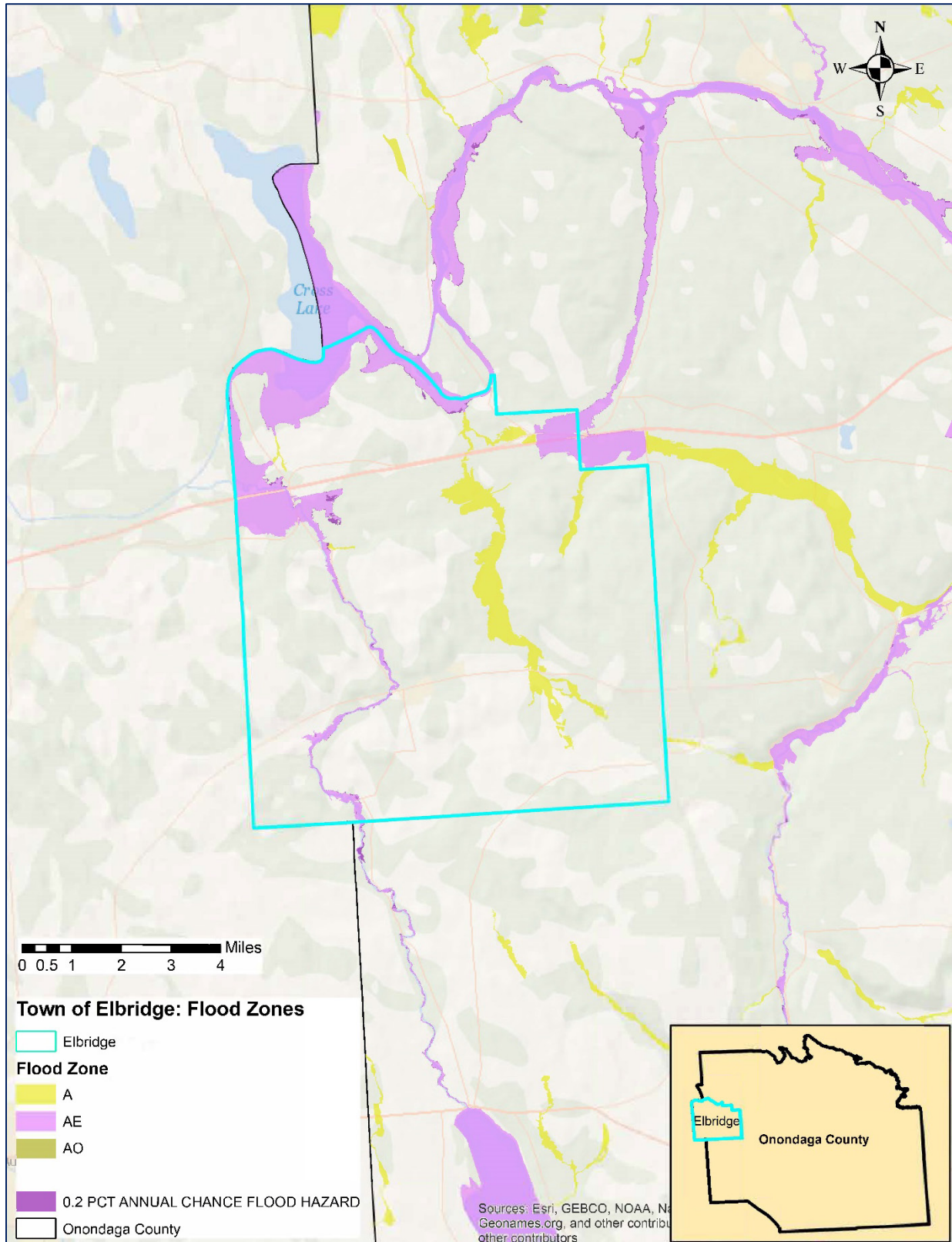




Figure 3. Special Flood Hazard Area





**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

**Primary Point-of-Contact (POC):**

**Name:** James (Jim) White  
**Title:** Superintendent  
**Department:** Town Highway  
**Phone Number:** (315) 246-7256  
**Email:** highwaysup@townofelbridge.com

**Signature of Authorized Representative:**

**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](mailto: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.



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## APPENDIX C. PLAN ADOPTION

*[Placeholder for adoption documentation after State and FEMA Approval]*