



9.8 TOWN OF GENESEO

This section presents the jurisdictional annex for the Town of Geneseo. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the Town participated in the planning process; an assessment of the Town of Geneseo’s risk and vulnerability; the different capabilities utilized in the Town; and an action plan that will be implemented to achieve a more resilient community.

9.8.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Town of Geneseo’s hazard mitigation plan primary and alternate points of contact. The Town of Geneseo followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Town departments, including: Town Clerk, Supervisor, and Highway Department. The Town Clerk represented the community on the Livingston County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.8-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Sarah Wright, Town Clerk Address: 4630 Millennium Drive, Geneseo, NY 14454 Phone Number: 585-991-5010 Email: townclerk@geneseony.org	Name/Title: Will Wadsworth, Town Supervisor Address: 4630 Millennium Drive, Geneseo, NY 14454 Phone Number: 585-991-5005 Email: will@geneseony.org
NFIP Floodplain Administrator	
Name/Title: Will Wadsworth, Town Supervisor Address: 4630 Millennium Drive, Geneseo, NY 14454 Phone Number: 585-991-5005 Email: will@geneseony.org	

9.8.2 Municipal Profile

The Town has an area of 45.2 square miles, 44.0 square miles of land, and 1.2 square miles of water. The Town of Geneseo is bordered by the Towns of Avon, Conesus, Groveland, Leicester, Livonia, and York. Conesus Lake, a Finger Lake, is located to the south east in the Town of Geneseo. The Town of Geneseo is one of the central most town in Livingston County and only 25 miles from downtown Rochester.

According to the U.S. Census, the 2020 population for the Town of Geneseo was 2,660, a 8.48 percent increase from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 2.6 percent of the population is 5 years of age or younger and 12.3 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.



9.8.3 Jurisdictional Capability Assessment and Integration

The Town of Geneseo performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of planning, legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community’s adaptive capacity to withstand hazard events.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.8.3). The Town of Geneseo’s identified opportunities for integration of mitigation concepts to be incorporated into municipal procedures are included in the updated mitigation strategy.

Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Geneseo. Section 6 (Capability Assessment) provides an overview of the planning, legal and regulatory capabilities. The following table summarizes what is present in the jurisdiction and discusses if the mechanisms have been or could be leveraged to reduce risk.

Table 9.8-2. Planning, Legal, and Regulatory Capability

	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Codes, Ordinances, & Regulations					
Building Code	Yes	Yes	2020	State and Local	Code Enforcement
<i>How does this reduce risk?</i> Prevents questions regarding regulations in the municipality					
Zoning/Land Use Code	Yes	No	Chapter 106 (Zoning) 2020	Local	Planning Board
<i>How does this reduce risk?</i> The Zoning Law is adopted to promote and protect the public health, safety and general welfare. The Zoning Law is intended to implement the goals and objectives of the Town of Geneseo 2008 Comprehensive Master Plan Update					
Subdivision Ordinance	Yes	No	Chapter 93 (Subdivision of Land) 1977	Local	Planning Board
<i>How does this reduce risk?</i> These regulations have been adopted for the purpose of providing for the future growth and development of the Town and for the purpose of affording adequate facilities for the housing, transportation, distribution, comfort, convenience, safety, health and welfare of the population of the Town.					
Site Plan Ordinance	No	No	Article 52 of Chapter 106 (Zoning)	Local and County	Planning
<i>How does this reduce risk?</i> The intent of the site plan review process is to determine compliance with the objectives of this chapter while also preserving and enhancing the character of a neighborhood, achieving compatibility with adjacent development, mitigating potentially negative impacts on traffic, parking, drainage and similar environmental concerns, improving the overall visual and aesthetic quality of the Town, and increasing the					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
capability of the Zoning Law to adapt to a variety of unique circumstances. It is the further intent of this section to ensure the optimum overall conservation, protection, preservation, development and use of natural and man-related resources of the Town through this process.					
Stormwater Management Ordinance	Yes	Yes	Chapter 101 (Water); May 26, 2011	Local	Water Superintendent
<i>How does this reduce risk?</i>					
Purpose of the chapter is to protect the public potable water supply of the Town of Geneseo from possibility of contamination by isolating within its customers' internal distribution system(s) or its customers' private water system(s) such contaminations or pollutants which could backflow into the public water system and to comply with the requirements of the NYS Sanitary Code 5-131.					
Post-Disaster Recovery/ Reconstruction Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Real Estate Disclosure	Yes	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
<i>How does this reduce risk?</i>					
<ul style="list-style-type: none"> In addition to facing potential liability for failing to disclose under the exceptions to "caveat emptor," a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit. 					
Growth Management	No	No	-	-	-
<i>How does this reduce risk?</i>					
Environmental Protection Ordinance	Yes	Yes	Chapter 101 (Water); May 26, 2011	Local	Water Superintendent
<i>How does this reduce risk?</i>					
Purpose of the chapter is to protect the public potable water supply of the Town of Geneseo from possibility of contamination by isolating within its customers' internal distribution system(s) or its customers' private water system(s) such contaminations or pollutants which could backflow into the public water system and to comply with the requirements of the NYS Sanitary Code 5-131.					
Flood Damage Prevention Ordinance	Yes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Chapter 62 (Flood Damage Prevention); May 10, 2001	Federal, State, County and Local	Code Enforcement Officer
<i>How does this reduce risk?</i>					
It is the purpose of this chapter to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas; requires new development or substantial improvements in the floodplain to be elevated at least two feet above the BFE					
Wellhead Protection	No	No	-	-	-
<i>How does this reduce risk?</i>					
Emergency Management Ordinance	No	Yes	-	-	-
<i>How does this reduce risk?</i>					
Climate Change Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Other		-			
Planning Documents					
Master Plan	Yes	No	2010		
<i>How does this reduce risk?</i>					
Capital Improvement Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Disaster Debris Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Floodplain Management or Watershed Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Stormwater Management Plan	No	No	-	-	-
<i>How does this reduce risk? Site Plan Review</i>					
Open Space Plan	No	Yes	-	-	-
<i>How does this reduce risk?</i>					
Urban Water Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Habitat Conservation Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Economic Development Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Shoreline Management Plan	No	Yes, in jurisdictions with CEHA areas	Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas	Yes, in jurisdictions with CEHA areas	-
<i>How does this reduce risk?</i>					
Community Wildfire Protection Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Community Forest Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Transportation Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Agriculture Plan	Yes	No	2019		Planning Board
<i>How does this reduce risk?</i>					
Farmland Protection					
Climate Action/ Resiliency/Sustainability Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Tourism Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Business/ Downtown Development Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Other	No	-	-	-	-
Response/Recovery Planning					
Emergency Operations Plan	Yes	Yes	-	Local	-
<i>How does this reduce risk?</i>					
Strategic Recovery Planning Report	No	No	-	-	-
<i>How does this reduce risk?</i>					
Threat & Hazard Identification & Risk Assessment (THIRA)	No	Yes	-	-	-



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<i>How does this reduce risk?</i>					
Post-Disaster Recovery Plan	Yes	Yes	-	Local	-
<i>How does this reduce risk?</i> Part of the EOP					
Continuity of Operations Plan	Yes	Yes	-	Local	-
<i>How does this reduce risk?</i> Part of the EOP					
Public Health Plan	Yes	Yes	-	Local	-
<i>How does this reduce risk?</i> Part of the EOP					
Other	No	-	-	-	-

Development and Permitting Capability

The table below summarizes the capabilities of the Town of Geneseo to oversee and track development.

Table 9.8-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> If yes, what department is responsible? If no, what is your process for development? 	No	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	-
Do you have a buildable land inventory? <ul style="list-style-type: none"> If yes, describe. If no, quantitatively describe the level of buildout in the jurisdiction. 	Yes	Gateway

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Geneseo and their current responsibilities which contribute to hazard mitigation.

Table 9.8-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		
Planning Board	Yes	Town Planning Board
Zoning Board of Adjustments	Yes	Town Zoning Board of Appeals
Planning Department	No	Shared with County
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	Highway Department
Construction/Building/Code Enforcement Department	Yes	Code Enforcement Office



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Emergency Management/Public Safety Department	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	The highway department is responsible for maintaining approximately 40 miles of town roads. These responsibilities include snow removal and ice control, paving and maintenance of roads, signage, roadway markings, drainage, tree and brush cutting and removal within the Town's right of way, roadside mowing and disposal of dead deer on roadsides. The town highway department also operates the town Recycling Center/Transfer Station located on Warner Road and is responsible for maintenance of Long Point Park on Conesus Lake.
Mutual aid agreements	No	-
Human Resources Manual	Yes	-
Other	No	-
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Planning and Zoning Boards
Engineers or professionals trained in building or infrastructure construction practices	Yes	Planning and Zoning Boards
Planners or engineers with an understanding of natural hazards	Yes	Planning and Zoning Boards
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	No	-
Grant writer(s)	No	-
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

Fiscal Capability

The table below summarizes financial resources available to the Town of Geneseo.

Table 9.8-5. Fiscal Capabilities

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	Yes



Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	Yes
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	Yes

Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Town of Geneseo.

Table 9.8-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? If yes, please describe.
Public information officer or communications office	Yes	County
Personnel skilled or trained in website development	No	-
Is hazard mitigation information available on your website?	No	-
Social media for hazard mitigation education and outreach	No	-
Citizen boards or commissions that address issues related to hazard mitigation	No	-
Other programs already in place that could be used to communicate hazard-related information	Yes	County
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Sheriffs Dept
Natural disaster/safety programs in place for schools	No	-
Other	No	-

Community Classifications

The table below summarizes classifications for community programs available to the Town of Geneseo.

Table 9.8-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	No	N/A	N/A
Public Protection (ISO Fire Protection Classes 1 to 10)	No	N/A	N/A



Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
NYSDEC Climate Smart Community	No	N/A	N/A
StormReady Certification	No	N/A	N/A
Firewise Communities classification	No	N/A	N/A
Other	No	N/A	N/A

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.

Table 9.8-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Drought	Moderate
Earthquake	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Invasive Species	Moderate
Landslide	Moderate
Mine Subsidence	Moderate
Pandemic	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Wildfire	Moderate
Terrorism	Moderate
Utility Failure	Moderate

*Strong Capacity exists and is in use

Moderate Capacity may exist; but is not used or could use some improvement

Weak Capacity does not exist or could use substantial improvement

9.8.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.



Table 9.8-9. NFIP Summary

Town of Geneseo	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Geneseo	25	6	\$46,151.98	N/A	N/A	25
NFIP Topic			Comments			
Flood Vulnerability Summary						
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> Do you maintain a list of properties that have been damaged by flooding? 			Yes, Yes			
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)? 			Yes, 0			
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> If so, state what projects are underway. 			No			
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> How many were declared for recent flood events in your jurisdiction? 			Sight Visit, 0			
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> If there are mitigation properties, how were the projects funded? 			0, 0			
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If not, state why. 			Yes			
NFIP Compliance						
What local department is responsible for floodplain management?			Code Office			
Are any certified floodplain managers on staff in your jurisdiction?			No			
Do you have access to resources to determine possible future flooding conditions from climate change?			No			
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> If so, what type of assistance/training is needed? 			Yes, Flood Maps			
Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability)			Permit Review			
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?			Review Plans			
What are the barriers to running an effective NFIP program in the community, if any?			Funding			
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> If so, state the violations. 			No			
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?			Unknown			
What is the local law number or municipal code of your flood damage prevention ordinance?			Chapter 62; May 10, 2011			



Town of Geneseo	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Geneseo	25	6	\$46,151.98	N/A	N/A	25
NFIP Topic			Comments			
What is the date that your flood damage prevention ordinance was last amended?						
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?			Yes meets the minimum			
Are there other local ordinances, plans or programs (e.g. site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?			Yes			
Does your jurisdiction participate in CRS? • If yes, is your jurisdiction interested in improving its CRS Classification? • If no, is your jurisdiction interested in joining the CRS program?			No			

Source: FEMA - Q3 Data; Livingston County HMP 2014

Notes:

RL Repetitive Loss; SRL Severe Repetitive Loss

9.8.5 Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

Evacuation Routes

- NYS Route 39 & 63
- US Route 20A
- Interstate 390

Sheltering

The Town of Geneseo has not identified sites for potential shelter locations. In the event shelters are needed, the Town will work with the County to find suitable locations for sheltering.

Temporary Housing

The Town of Geneseo has not identified sites for the placement of temporary housing for residents displaced by a disaster or potential sites suitable for relocating structures out of the floodplain and/or building new homes once properties in the floodplain are acquired. In the event temporary housing is needed, the Town will work with the County to find suitable locations.

Permanent Housing

While the Town of Geneseo did not identify potential locations for permanent housing, as part of the planning process, a countywide buildable land analysis was conducted and presented in Section 4 (County Profile). The Town can utilize this analysis to identify potential locations.





9.8.6 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.8-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. New and proposed development in the Town is not expected to impact vulnerability to hazards.

Table 9.8-10. Recent and Expected Future Development

Type of Development	2015		2016		2017		2018		2019		2020		2021	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)														
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	4	0	3	0	5	0	4	0	3	0	3	0	2	0
Multi-Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Total Permits Issued	4	0	3	0	6	0	4	0	3	0	3	0	2	0
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)	Known Hazard Zone(s)*		Description / Status of Development							
Recent Major Development and Infrastructure from 2015 to Present														
Hammocks	Res	17		Hammocks Drive	None		Completed							
Gateway	Comm	1		Gateway Drive	None		Construction							
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years														
None identified														

SFHA Special Flood Hazard Area (1% flood event)

* Only location-specific hazard zones or vulnerabilities identified.

9.8.7 Jurisdictional Risk Assessment

The hazard profiles in Section 5 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Refer to Section 5.2 (Methodology and Tools) and Section 5.4 (Hazard Ranking) for a detailed summary for the Town of Geneseo’s risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps were generated to illustrate the probable areas impacted within the jurisdiction. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Town of Geneseo has significant exposure. The maps also show the location of potential new development, where available. These maps are illustrated below.



Figure 9.8-1. Town of Geneseo Flood and Mine Subsidence Hazard Areas

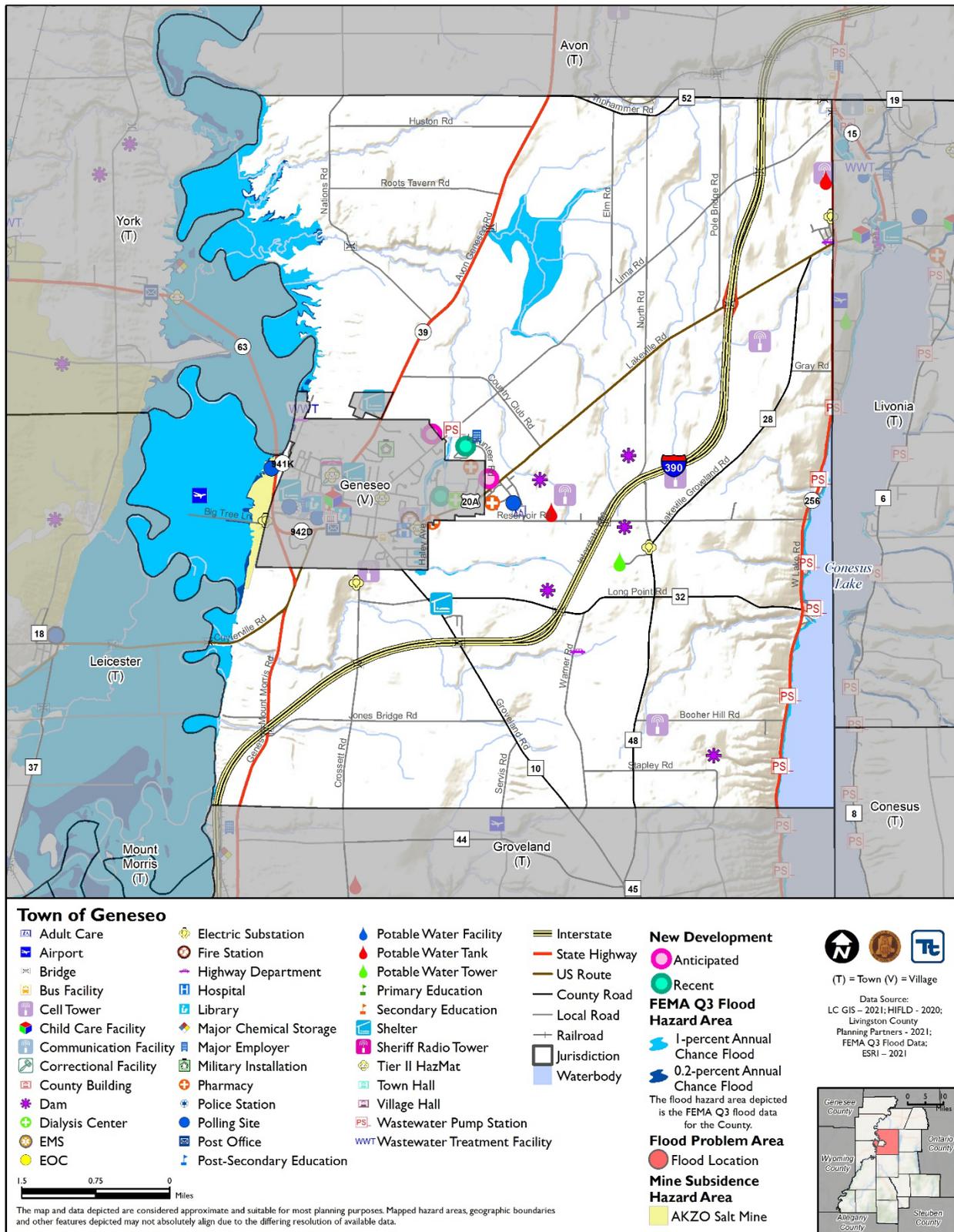




Figure 9.8-2. Town of Geneseo Hazmat and Wildfire Hazard Areas

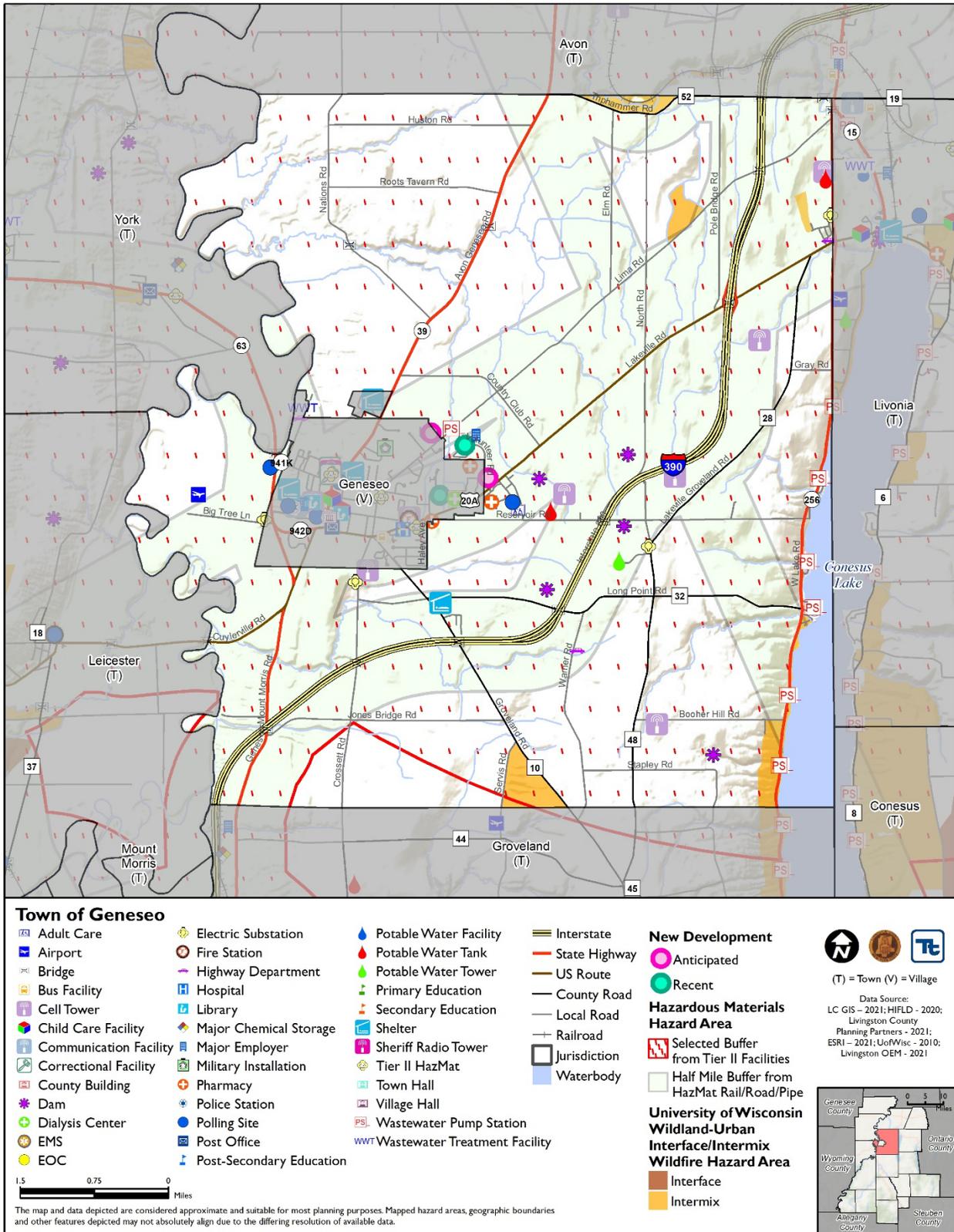
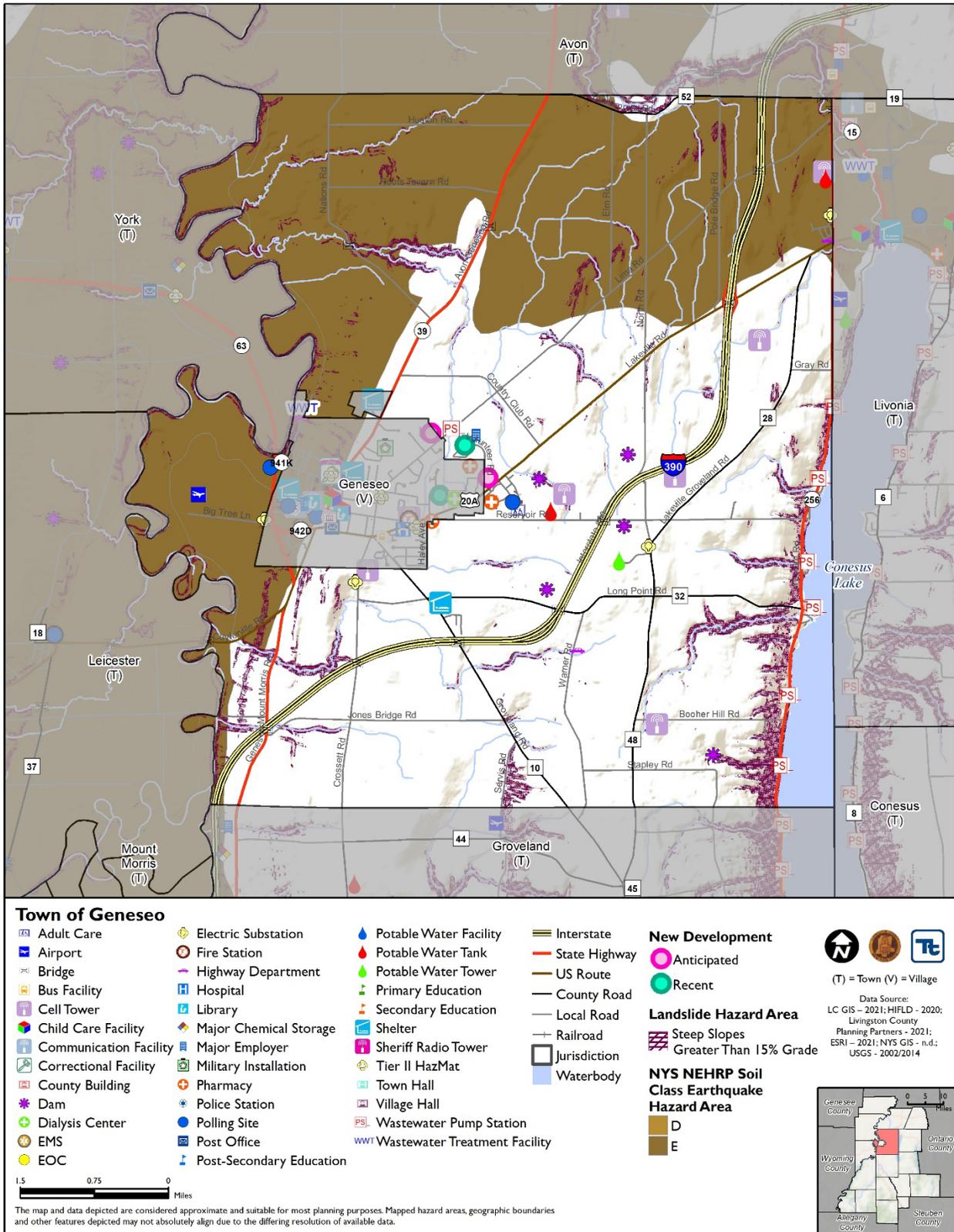




Figure 9.8-3. Town of Geneseo Earthquake and Landslide Hazard Areas





Hazard Event History

Livingston County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities.

The Town of Geneseo’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Livingston County. Table 9.8-11 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.8-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Declared?	Municipal Summary of Damages and Losses
2020 & 2021	COVID 19 Pandemic (DR 3434 and 4480)	Yes	Negative social, health, and economic impacts such as population loss, resident infections, resident deaths, mandatory business closures, school closings, decreases in the local labor market, and household supply shortages.

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)
- N/A Not applicable

Hazard Ranking and Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Town of Geneseo’s risk assessment results and data used to determine the hazard ranking.

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the 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 as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Livingston County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Geneseo. The Town of Geneseo has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Town agreed with the calculated rankings.





Table 9.8-12. Hazard Ranking Input

Drought	Earthquake	Flood	Hazardous Materials	Invasive Species	Landslide	Mine Subsidence
Low	Low	Medium	High	Medium	Low	Low
Pandemic	Severe Storm	Severe Winter Storm	Wildfire	Terrorism	Utility Failure	
Medium	High	Medium	Low	Low	High	

Note: The scale is based on the hazard rankings established in Section 5.3 and modified as appropriate during review by the jurisdiction

Critical Facilities

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

Table 9.8-13. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Addressed by Proposed Action
		1% Event	0.2% Event	
5345 Long Point Pk	Police Station	X	X	2022-Town of Geneseo-005
4637 Westwood Dr	Wastewater Pump Station	X	X	2022-Town of Geneseo-009
5346 North Point Dr	Wastewater Pump Station	X	X	2022-Town of Geneseo-009
5113 West Lake Rd	Wastewater Pump Station	X	X	2022-Town of Geneseo-001
Unnamed	Airport	X	X	2022-Town of Geneseo-009

Source: Livingston County Planning Partners 2021; HIFLD 2020

Identified Issues

After review of the Town of Geneseo’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Town of Geneseo has identified the following vulnerabilities within their community:

- Storm water management system flooded basement of Town/Village Building destroying public records and patrol car.
- Flooding in low lying areas on Lima Road affecting housing (Jaycox Creek)
- Flooding of residential property on West Lake along Conesus Lake, due to water run-off from water shed, and debris.

Specific areas of concern based on resident response to the Livingston County Hazard Mitigation Citizen survey include:

- Genesee river specially Main Street Avon. Flats RD Groveland known for flooding
- Episodic flooding of farmland along Caneseraga and Keshequa Creeks in Sonyea area. Flats road is commonly inundated following heavy snowmelt or rains
- Power goes out often for unknown reasons North Rd Geneseo
- No municipal water supply on Groveland Road near Servis Road intersection in Geneseo. If power is lost, people also lose access to water. There is municipal water on either side of the hill, but there is a significant gap in between.

9.8.8 Mitigation Strategy and Prioritization





This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2015 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.8-14. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TG-1	Prepare a “master emergency response plan” for each town to coordinate the activities of all emergency response agencies in the event of a disaster. These town-wide plans should be closely integrated with the County Emergency Response Plan, emergency response plans for school districts, and emergency response plans for individual facilities such as hospitals, clinics, and nursing homes.	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-2	Address the frequency of power outages in the southern part of the county.	All	None provided in the 2015 HMP	County Planning	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-3	Provide back-up power generators for highway department/DPW garages and related installations	All	None provided in the 2015 HMP	Town Highway Department	No Progress	1. 2. 3.	1. 2. 3.
TG-4	Stockpile several mobile generators for distribution around town	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-5	Acquire new communications gear such as radios and walkie-talkies	All	None provided in the 2015 HMP	County Sheriff	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-6	Maintain a mobile command unit that can be quickly dispatched to the scene of a major accident (HAZMAT) or incident	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
							mitigation strategy for the plan update.
TG-7	Provide better communications for First Responder units	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-8	Establish a formal emergency operations center (or a mobile county operated unit) for communications in town. Stockpile supplies/equipment in center.	All	None provided in the 2015 HMP	Municipalities	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-9	Establish mutual aid agreements with neighboring counties for their assistance in addressing county wide disasters.	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-10	Prepare a list of private contractors to assist with recovery efforts in case public services are overwhelmed/disabled.	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-11	Set up a reverse emergency management call system to contact residents (Reverse 911)	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-12	Institute an annual survey of HAZMAT truck traffic on major routes	Transportation Accidents	None provided in the 2015 HMP	County Highway Department	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-13	Continue distributing “File of Life” kits.	All	None provided in the 2015 HMP	County Office for the Aging	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
							mitigation strategy for the plan update.
TG-14	Secure funding to alleviate staffing issues for fire departments and EMTs	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-15	Secure training funds for EMS, fire dept., and police	All	None provided in the 2015 HMP	County EMS	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-16	Develop a flood mitigation program for flood-prone stretches of the Genesee River, Jaycox Creek, Keshequa Creek and Canaseraga Creek. These watercourses are the source of significant flooding and require special attention.	Flood	None provided in the 2015 HMP	County Planning	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-17	Build new cross-over sluices to increase water flow/drainage along East Lake Road and West Lake Road near Conesus Lake.	Flood	None provided in the 2015 HMP	Town Highway Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. Install new larger culvert to the lake across West Lake Road; install a force main in ditch areas with a drop inlets in appropriate locations 3. -
TG-18	Improve drainage capabilities of developed areas. Specifically, study at run-off problems from parking lots, large buildings, and other impermeable surfaces that cause flooding.	Flood	None provided in the 2015 HMP	County Planning	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.
TG-19	Carry out general infrastructure, signage, traffic control, and lighting upgrades to Route 63. These improvements should be aimed specifically at reducing the number of accidents involving HAZMAT trucks.	Transportation accidents and hazmat	None provided in the 2015 HMP	County Highway Department	No Progress	1. 2. 3.	1. Discontinue 2. – 3. This is a county action and will not be included in the Town’s mitigation strategy for the plan update.



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TG-20	Clean and armor all ditches on Town roads with a slope greater than 3%.	All	None provided in the 2015 HMP	County and Highway Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-21	Enlarge crossover pipes on Lima Road (Jaycox Creek).		None provided in the 2015 HMP		No Progress	1. 2. 3.	1. Discontinue 2. - 3. -
TG-22	Conduct stream management in water shed along Conesus Lake.	Flood, Severe Storm	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-23	Conduct streambank remediation	Flood, severe Storm	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-24	Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields.	Flood, severe Storm	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-25	Conduct a hydrilla management analysis to determine whether chemical treatments or the introduction of grass carp would be a more effective control measure.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-26	Implement hydrilla control measures to prevent the further spread of the invasive species and to eventually reduce its impact on the County's water systems.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TG-27	Assess and prioritize feasible non-structural flood hazard mitigation alternatives for at-risk properties within the floodplain (including those that have been identified as repetitive loss) such as acquisition/relocation, or elevation. The parameters for feasibility for this initiative would include the following: funding, benefits versus costs, and willing participation of property owners. Implement as funding becomes available.	Flood, Severe Storm, wildfire, winter storm	None provided in the 2015 HMP	Town Engineering	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-28	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance.	All	None provided in the 2015 HMP	Town Supervisor's Office	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-29	Maintain compliance with and good-standing in the NFIP including 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. Further meet or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified in subsequent initiatives.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-30	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1).	All	None provided in the 2015 HMP	County Departments	No Progress	1. 2. 3.	1. Discontinue 2. - 3. This is a county action and will not be included in the Town's mitigation strategy for the plan update.
TG-31	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshops if	Flood	None provided in	Town FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. -



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated. See following related Community Assistance Visit (CAV) initiative.		the 2015 HMP				3. This is an ongoing capability in the Town.
TG-32	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).	Flood	None provided in the 2015 HMP	Town FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-33	Designate a NFIP Floodplain Administrator (FPA), and other local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis (BCA) and Substantial Damage Estimation (SDE).	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-34	Develop and maintain mapping of all natural hazard risk areas in the Town, FEMA-delineated or otherwise, to support land use decision making (e.g. Planning Board, site plan review process,).	Flood, wildfire	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-35	Work with County and power companies to identify roads within the Town considered "critical" would be the first priority for clearing after an event involving downed power lines.	Flood, Severe Storm, wildfire, winter storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.
TG-36	Enhance or expand tree maintenance program and coordinate with utility companies.	Flood, Severe Storm, wildfire, winter storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Town.



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

Other than what is presented in Table 9.8-14, the Town of Geneseo did not complete any additional mitigation projects/activities since the 2015 HMP.

Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Geneseo participated in a mitigation action workshop in September 2021 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

The table below indicates the range of proposed mitigation action categories.

Table 9.8-15. Analysis of Mitigation Actions by Hazard and Category

Table with 12 columns: Hazard, LPR, SIP, NSP, EAP, PR, PP, PI, NR, SP, ES. Rows include Drought, Earthquake, Flood, Hazardous Materials, Invasive Species, Landslide, Mine Subsidence, Pandemic, Severe Storm, Severe Winter Storm, Wildfire, Terrorism, and Utility Failure.

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

Table 9.8-16 summarizes the comprehensive-range of specific mitigation initiatives the Town of Geneseo would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.



Table 9.8-16. Proposed Hazard Mitigation Initiatives

Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
2022-Town of Geneseo-001	Booher Hill Road	Problem: Booher Hill Road’s steep incline heading East to Conesus Lake Solution: Install new larger culvert to the lake across West Lake Road. Install a force main in ditch areas with drop inlets in appropriate locations.	No	No	Flood, Severe Storm, Severe Winter Storm	1, 2	1 year	Highway Department	Town Budget, CHIPs	Increase capacity, reduce flooding and runoff	\$350,000	High	SIP	PP, SP
2022-Town of Geneseo-002	Reservoir Road Pump Station	Problem: Reservoir Road Pump Station – no generator is at this location and this pump station services over 75% of the Town of Geneseo’s water customers. Solution: Install a standby generator, 400 AMP Service, 3 Phase, 50 KW generator at the Reservoir Road pump station. During a power outage, the pump will be able to operate and provide potable water to residents.	Yes	No	All	1, 2	1 year	Highway Department	Town Budget, FEMA HMGP	Prevent loss of power; continuity of operations	\$85,000	High	SIP	PP, ES
2022-Town of Geneseo-003	NFIP Administrator Training	Problem: The floodplain administrator for the Town is in need of training and resources to understand the NFIP program and flooding in the Town. Solution: The floodplain administrator will review the list of upcoming trainings on the NYSDEC website and sign up to attend. This will allow the administrator to understand their role in administering the program and learning about the NFIP.	No	No	Flood	1, 2, 3	Within 1 year	NFIP Floodplain Administrator, NYSDEC	Town Budget	Increase education and training on floods in the Town	Staff time	High	LPR	PR
2022-Town of Geneseo-004	Jones Bridge Road	Problem: During times of heavy rainfall large volumes of water erode the edge of Jones Bridge Road. The town has placed rock along the edge of the road to stop undermining the road several times. It is a problem that happens often. Solution: Remove many trees, set creek ditch back from the road and provide an	No	No	Flood, Severe Storm, Severe Winter Storm	1, 2	Within 3 years	Highway Department	Town Budget, CHIPs, FEMA HMGP	Increase capacity, reduce flooding and runoff	\$20,000+	Medium	SIP	PP



Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
		overflow bank on each side of the creek and armor with stone fill.												
2022-Town of Geneseo-005	Long Point Park Flooding	Problem: Stormwater flooding in this area leads to flooding of basements of town and village buildings, including public records and police vehicles. Solution: Install under drainage and catch basins and grade area to drop inlets. This will provide additional stormwater management	Yes	No	Flood, Severe Storm, Severe Winter Storm	1, 2	Within 3 years	Highway Department	Town Budget, CHIPs, FEMA HMGP	Increase capacity, reduce flooding and runoff	\$20,000+	Medium	SIP	PP, SP
2022-Town of Geneseo-006	Road Crossing Culvert	Problem: Road Crossing Culvert in front of 4564 Reservoir Road is a 36-inch pipe and during heavy rain water backs up to the property. Solution: Replace culvert with a 48-inch diameter pipe.	No	No	Flood, Severe Storm, Severe Winter Storm	1, 2	Within 3 years	Highway Department	Town Budget, CHIPs, FEMA HMGP	Increase capacity, reduce flooding and runoff	\$20,000+	Medium	SIP	PP, SP
2022-Town of Geneseo-007	Warner Road	Problem: Warner Road – 1000 feet South of 5107 Warner Rd. Solution: Excavate larger ditch and armor with stone fill and place a retention pond before entering road ditch.	No	No	Flood, Severe Storm, Severe Winter Storm	1, 2	Within 3 years	Highway Department	Town Budget, CHIPs, FEMA HMGP	Increase capacity, reduce flooding and runoff	\$20,000+	Medium	SIP	PP, SP
2022-Town of Geneseo-008	Tree Maintenance Program	Problem: Large trees along side of 4260 North Road area is always shaded and creates a slippery road. During wind storms branches and trees are falling creating an unsafe driving area. Solution: The Town will develop a vegetation management program that will include routine inspections in municipal rights-of-way, identify trees that are in need of trimming or removal, and conduct the trimming and removal. This will help reduce or eliminate infrastructure damage, road closures, and power outages during severe storm	Yes	No	Severe Storm, Severe Winter Storm, Wildfire	1, 2	1 year	Highway Department	HMGP, CHIPs, Town Budget	Reduction in fallen trees; reduction in power outages and damages	\$5,000	Medium	NSP	PP, NR





Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
		or severe winter storm events. Additionally, the Town will work with the utility companies to clear and/or maintain trees along the utility lines.												
2022-Town of Geneseo-009	Critical Facilities in Floodplain	Problem: There are two pump stations and an airport located in the 1% annual chance flood area and are susceptible to flood damages. The Town does not have jurisdiction over these facilities. Solution: The Town will conduct outreach to the facility owners/operators to inform them of their location in the floodplain and provide mitigation options to protect the structures from flood damage.	Yes 💧	No	Flood	1, 2, 3	1 year	Code Enforcement	Town Budget	Education and outreach, protect structures from flood damage	Staff Time	Medium	LPR, EAP	PR, PI

Notes:

Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- EHP Environmental Planning and Historic Preservation
- FEMA Federal Emergency Management Agency
- FPA Floodplain Administrator
- HMA Hazard Mitigation Assistance
- N/A Not applicable
- NFIP National Flood Insurance Program
- OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- BRIC Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes 💧 Critical Facility located in 1% floodplain

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.





- *Natural Systems Protection (NSP)* – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- *Education and Awareness Programs (EAP)* – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- *Natural Resource Protection (NR)* - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- *Structural Flood Control Projects (SP)* - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities



Table 9.8-17. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2022-Town of Geneseo-001	Booher Hill Road	1	1	1	1	1	0	0	1	0	1	1	1	0	0	9	High
2022-Town of Geneseo-002	Reservoir Road Pump Station	1	1	1	1	1	1	0	0	0	1	1	1	0	0	9	High
2022-Town of Geneseo-003	NFIP Administrator Training	1	1	1	1	1	0	1	0	0	1	0	1	1	0	9	High
2022-Town of Geneseo-004	Jones Bridge Road	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
2022-Town of Geneseo-005	Long Point Park Flooding	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
2022-Town of Geneseo-006	Road Crossing Culvert	1	1	1	1	0	0	0	0	0	1	1	1	0	0	7	Medium
2022-Town of Geneseo-007	Warner Road	1	1	1	1	0	0	1	1	0	0	1	1	0	0	8	Medium
2022-Town of Geneseo-008	Tree Maintenance Program	1	1	1	1	0	0	0	0	0	1	1	1	0	0	7	Medium
2022-Town of Geneseo-009	Critical Facilities in Floodplain	1	1	1	1	0	0	1	0	0	1	0	1	0	0	7	Medium

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



9.8.9 Action Worksheets

The following action worksheets have been developed by the Town of Geneseo to aid in the submittal of grant applications to support the funding of high priority proposed actions.

Action Worksheet			
Project Name:	2022-Town of Geneseo-001		
Project Number:	Booher Hill Road		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Severe Storm, Severe Winter Storm		
Description of the Problem:	Booher Hill Road's steep incline heading East to Conesus Lake		
Action or Project Intended for Implementation			
Description of the Solution:	Install new larger culvert to the lake across West Lake Road. Install a force main in ditch areas with drop inlets in appropriate locations.		
Is this project related to a Critical Facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the Special Flood Hazard Area?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	5 year stormwater event	Estimated Benefits (losses avoided):	Increase capacity, reduce flooding and runoff
Useful Life:	20 years	Goals Met:	1, 2
Estimated Cost:	\$350,000	Mitigation Action Type:	SIP
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	6 months
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	Town Budget, CHIPs
Responsible Organization:	Town of Geneseo, Highway Department	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Elevate roadway	\$500,000	Costly and may not solve problem
	Relocate roadway	N/A	Not possible
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	2022-Town of Geneseo-001	
Project Number:	Booher Hill Road	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect people from flood damage
Property Protection	1	Protect structures from flood damage
Cost-Effectiveness	1	
Technical	1	
Political	1	There is political support for this project
Legal	0	
Fiscal	0	Need grant funding
Environmental	1	
Social	0	
Administrative	1	There is staff available to complete project
Multi-Hazard	1	Flood, Severe Storm, Severe Winter Storm
Timeline	1	
Agency Champion	0	
Other Community Objectives	0	
Total	9	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	2022-Town of Geneseo-002		
Project Number:	Reservoir Road Pump Station		
Risk / Vulnerability			
Hazard(s) of Concern:	All		
Description of the Problem:	Reservoir Road Pump Station – no generator is at this location and this pump station services over 75% of the Town of Geneseo’s water customers		
Action or Project Intended for Implementation			
Description of the Solution:	Install a standby generator, 400 AMP Service, 3 Phase, 50 KW generator at the Reservoir Road pump station. During a power outage, the pump will be able to operate and provide potable water to residents.		
Is this project related to a Critical Facility?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Is this project related to a Critical Facility located within the Special Flood Hazard Area?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	Prevent Power Loss	Estimated Benefits (losses avoided):	Prevent loss of power; continuity of operations
Useful Life:	25 years	Goals Met:	1, 2
Estimated Cost:	\$85,000	Mitigation Action Type:	SIP
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	6 months
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	Town Budget, FEMA HMGP
Responsible Organization:	Town of Geneseo, Highway Department	Local Planning Mechanisms to be Used in Implementation if any:	Hazard mitigation; capital improvement
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Install solar panels	\$100,000	Weather dependent; need large amount of space for installation; expensive if repairs needed
	Install wind turbine	\$100,000	Weather dependent; poses a threat to wildlife; expensive repairs if needed
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	2022-Town of Geneseo-002	
Project Number:	Reservoir Road Pump Station	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Provides potable water for residents during power outages
Property Protection	1	Protect pump station and allows to operate during power outages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	Need grant funding for project
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	1	Within 1 year
Agency Champion	0	
Other Community Objectives	0	
Total	9	
Priority (High/Med/Low)	High	