



9.9 VILLAGE OF GENESEO

This section presents the jurisdictional annex for the Village 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 Village participated in the planning process; an assessment of the Village of Geneseo’s risk and vulnerability; the different capabilities utilized in the Village; and an action plan that will be implemented to achieve a more resilient community.

9.9.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Village of Geneseo’s hazard mitigation plan primary and alternate points of contact. The Village 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 Village departments, including: Village Clerk, Code Enforcement, and Public Works. The Village 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 9.9-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Aprile S. Mack, Village Clerk / Treasurer Address: 119 Main St., Geneseo, NY 14454 Phone Number: 585-243-1177 ext 102 Email: amack@geneseony.org	Name/Title: Margaret Duff, Mayor Address: 119 Main St., Geneseo, NY 14454 Phone Number: 585-243-1177 ext 103 Email: mduff@geneseony.org
NFIP Floodplain Administrator	
Name/Title: Craig Wadsworth, Code Enforcement Officer Address: 119 Main St., Geneseo, NY 14454 Phone Number: 585-243-1177 ext 104 Email: cwadsworth@geneseony.org	

9.9.2 Municipal Profile

According to the U.S. Census Bureau, the Village has an area of 2.79 square miles, all land. The Genesee River defines the western town line, and Conesus Lake defines the eastern town line. Interstate 390 and U.S. Route 20A pass through the town. New York State Route 39 and New York State Route 63 are two important north-south highways passing through the village, and New York State Route 256 is a north-south route along the shore of Conesus Lake.

According to the U.S. Census, the 2020 population for the Village of Geneseo was 7,574, a 5.69 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 15.5 percent of the population is 5 years of age or younger and 7.6 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.





9.9.3 Jurisdictional Capability Assessment and Integration

The Village 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 9.9.3). The Village 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 Village of Geneseo. Section 5 (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 9.9-2. 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	Chapter 61 of Village Code Last Updated: 05/28/2009	State and Local	Village Board
<i>How does this reduce risk?</i> This chapter provides for the administration and enforcement of the New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code) in the Village of Geneseo.					
Zoning/Land Use Code	Yes	No	Chapter 130 of Village Code; Last Updated: 09/14/2020	Local	Village Board
<i>How does this reduce risk?</i> The intent of this chapter is to encourage appropriate and orderly physical development; to promote public health, safety, convenience and general welfare; to classify, designate and regulate the location and use of buildings, structures and land for mixed-use, residential, commercial, industrial or other uses in appropriate places; and, for said purpose, to divide into districts of such number, shape and area as may deemed best suited to carry out these regulations and provide for their enforcement.					
Subdivision Ordinance	Yes	No	Article XIII of Chapter 130 of Village Code; Last Updated: 09/14/2020	Local	Village Board
<i>How does this reduce risk?</i> The Planning Board of the Village of Geneseo, New York, has the power and authority to approve plans for the subdivision of land. This article has been adopted for the purpose of providing for the future growth and development of the Village and for the purpose of affording adequate facilities for the housing, transportation, distribution, comfort, convenience, safety, health and welfare of the population of the Village.					



	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
Site Plan Ordinance	Yes	No	Article XIV of Chapter 130 of Village Code; Last Updated: 09/14/2020	Local and County	Village Board
<i>How does this reduce risk?</i> The purposes of site plan review are to: <ul style="list-style-type: none"> Promote those qualities in the environment which retain or bring quality to life as well as material value to the community. Foster the attractiveness and functional utility of the community as a place to live and work. Preserve the character and quality of our heritage by maintaining the integrity or those areas which have a discernible character or are of special historic significance. Protect existing investments in the area. Encourage, where appropriate, a mix of uses within permissible use zones. Raise the level of community expectations for the quality of its environment. 					
Stormwater Management Plan	Yes	Yes		Local	Village Board
<i>How does this reduce risk?</i>					
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		Local	
<i>How does this reduce risk?</i>					
Environmental Protection Ordinance	No	Yes			
<i>How does this reduce risk?</i>					
Flood Damage Prevention Ordinance	Yes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Chapter 65 of Village Code Last Updated: 09/14/2020	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 Plan	Yes	Yes			Village Board
<i>How does this reduce risk?</i>					
Climate Change Ordinance	No	No			
<i>How does this reduce risk?</i>					
Other		-			
Planning Documents					
Comprehensive Plan	Yes	No	In process of being updated now.		Village Board
<i>How does this reduce risk?</i>					
Capital Improvement 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
Disaster Debris Management Plan	No	No			
<i>How does this reduce risk?</i>					
Floodplain Management or Watershed Plan	No	No			
<i>How does this reduce risk?</i>					
Stormwater Management Plan	See Above	No			
<i>How does this reduce risk?</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	N/A	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	N/A	No			
<i>How does this reduce risk?</i>					
Community Forest Management Plan	N/A	No			
<i>How does this reduce risk?</i>					
Transportation Plan	No	No			
<i>How does this reduce risk?</i>					
Agriculture Plan	No	No			
<i>How does this reduce risk?</i>					
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 – Alternatives to Improve Circulation, Parking, Safety and Aesthetics Route 39/North Street. Court Street Corridor	Yes	No	2009	Local	Village Board
NYS Route 20A Comprehensive Access Management Plan	Yes	No	2007	Local	Village Board
Response/Recovery Planning					





	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
Emergency Operations Plan <i>How does this reduce risk?</i>	Yes	Yes	2018	Local	Village Board
Strategic Recovery Planning Report <i>How does this reduce risk?</i>	No	No			
Threat & Hazard Identification & Risk Assessment (THIRA) <i>How does this reduce risk?</i>	No	Yes			
Post-Disaster Recovery Plan <i>How does this reduce risk?</i>	No	No			
Continuity of Operations Plan <i>How does this reduce risk?</i>	No	No			
Public Health Plan <i>How does this reduce risk?</i>	No	No			
Other		-			

Development and Permitting Capability

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

Table 9.9-3. 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? 	Yes	Planning Board / Code Enforcement Officer
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. 	No	-

Administrative and Technical Capability

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

Table 9.9-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		
Planning Board	Yes	Planning Board
Zoning Board of Adjustments	Yes	Zoning Board of Appeals
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-





Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	Department of Public Works
Construction/Building/Code Enforcement Department	Yes	Building and Zoning Departments primary job is to ensure that building and structures in the Village of Geneseo meet the NYS Uniform Fire Prevention and Building Codes. Furthermore, the inspector enforces the Zoning Codes (rules/regulations), and stays abreast of new laws and regulations through training to promote or enhance public safety.
Emergency Management/Public Safety Department	Yes	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Street maintenance; park maintenance; sidewalk maintenance; sanitary & storm sewer maintenance; water main installation & repair; and tree trimming & planting
Mutual aid agreements	Yes	Neighboring communities
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	Yes	Code Enforcement
Professionals trained in conducting damage assessments	Yes	Code Enforcement
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.)	Yes	-

Fiscal Capability

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

Table 9.9-5. 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)	No





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?
Capital improvements project funding	No
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
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	No
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

Education and Outreach Capability

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

Table 9.9-6. 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	Website / USPS Mailings
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	Yes	Village Board
Other programs already in place that could be used to communicate hazard-related information	No	-
Warning Systems / Services (mass notification system, outdoor warning signals)	No	-
Natural disaster/safety programs in place for schools	N/A	-
Other	No	-

Community Classifications

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



Table 9.9-7. 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
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 9.9-8. 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

9.9.4 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 9.9-9. NFIP Summary

Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Village of Geneseo	3	0	0	N/A	N/A	1
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? 			Jaycox Creek from Indian Meadows north through the north west corner of the Village of Geneseo.			
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)? 			No			
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? 			None			
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? 			Unknown			
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If not, state why. 			No – they overstate			
NFIP Compliance						
What local department is responsible for floodplain management?						
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? 			No			
Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability)			None			
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?			NYS Building Code “Level of Alteration” guidelines			
What are the barriers to running an effective NFIP program in the community, if any?			None			
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)?			None			



Jurisdiction	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Village of Geneseo	3	0	0	N/A	N/A	1
NFIP Topic			Comments			
What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended?			Chapter 65 of the Village Code – Adopted by the Village Board on 07/25/1988 as Local Law #1 of 1988. Amended in its entirety on 09/09/1996 by Local Law No 4 of 1996.			
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?			Meets our needs.			
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?			No.			
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

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

Temporary Housing

The Village 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 Village will work with the County to find suitable locations.



Permanent Housing

While the Village 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 Village can utilize this analysis to identify potential locations.

9.9.6 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 9.9-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. New and proposed development in the Village is not expected to impact vulnerability to hazards.

Table 9.9-10. 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	2	0	1	0	2	0	0	0	4	0	4	0	1	0
Multi-Family	1	0	0	0	6	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	3	0	1	0	8	0	0	0	4	0	4	0	1	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														
Steeplechase Phase 2	Res	11/11		Steeplechase		None		One remaining						
DePaul Apartments	Res	60/6		Mustang Circle		None		Complete						
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years														
Steeplechase Phase 3	Res	13/13		Steeplechase		None		Subdivision Review in Process						

SFHA Special Flood Hazard Area (1% flood event)

* Only location-specific hazard zones or vulnerabilities identified.

9.9.7 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 Village 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 Village of Geneseo has significant exposure. The maps also show the location of potential new development, where available. These maps are illustrated below.



Figure 9.9-1. Village of Geneseo Flood and Mine Subsidence Hazard Areas

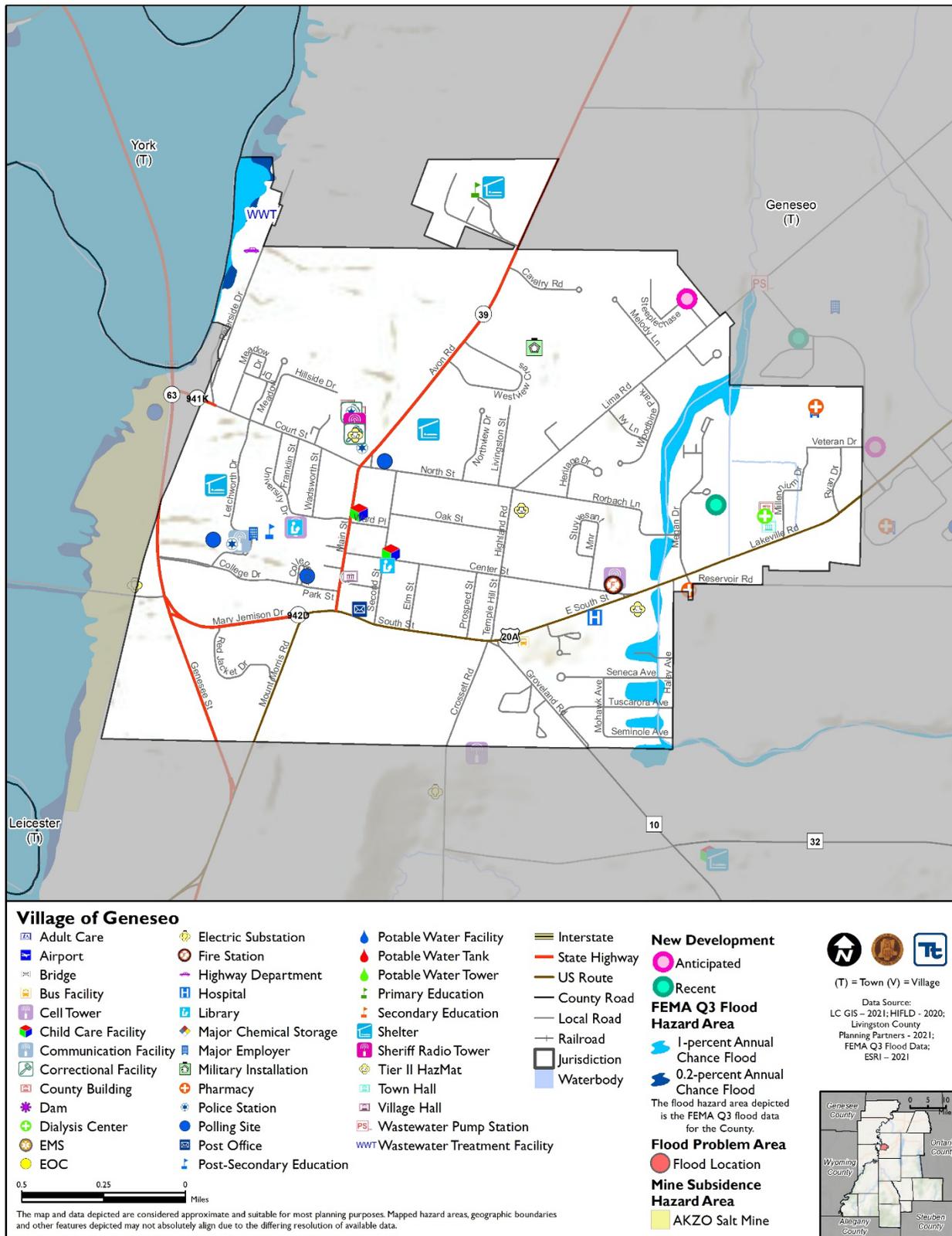




Figure 9.9-2. Village of Geneseo Hazmat and Wildfire Hazard Areas

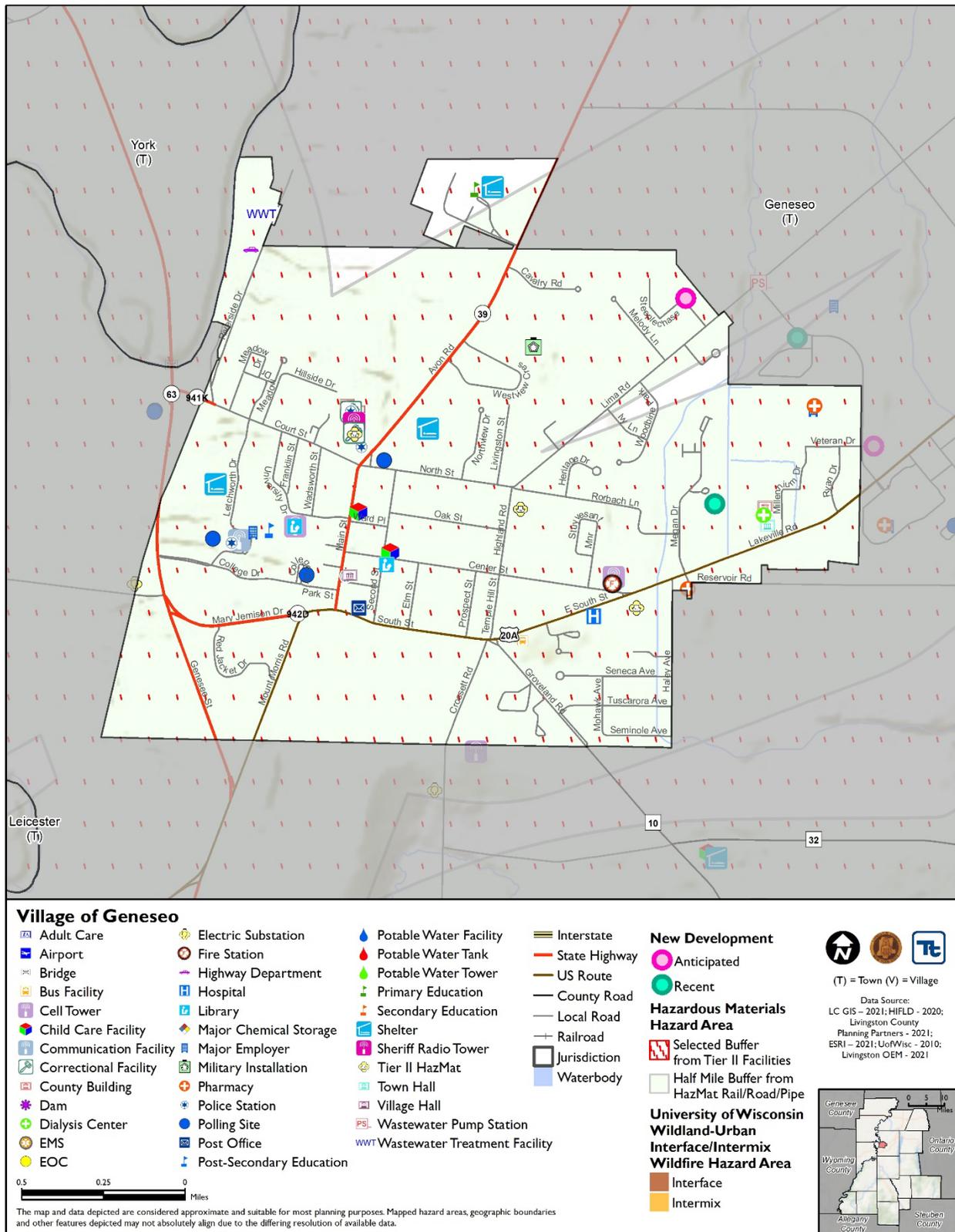
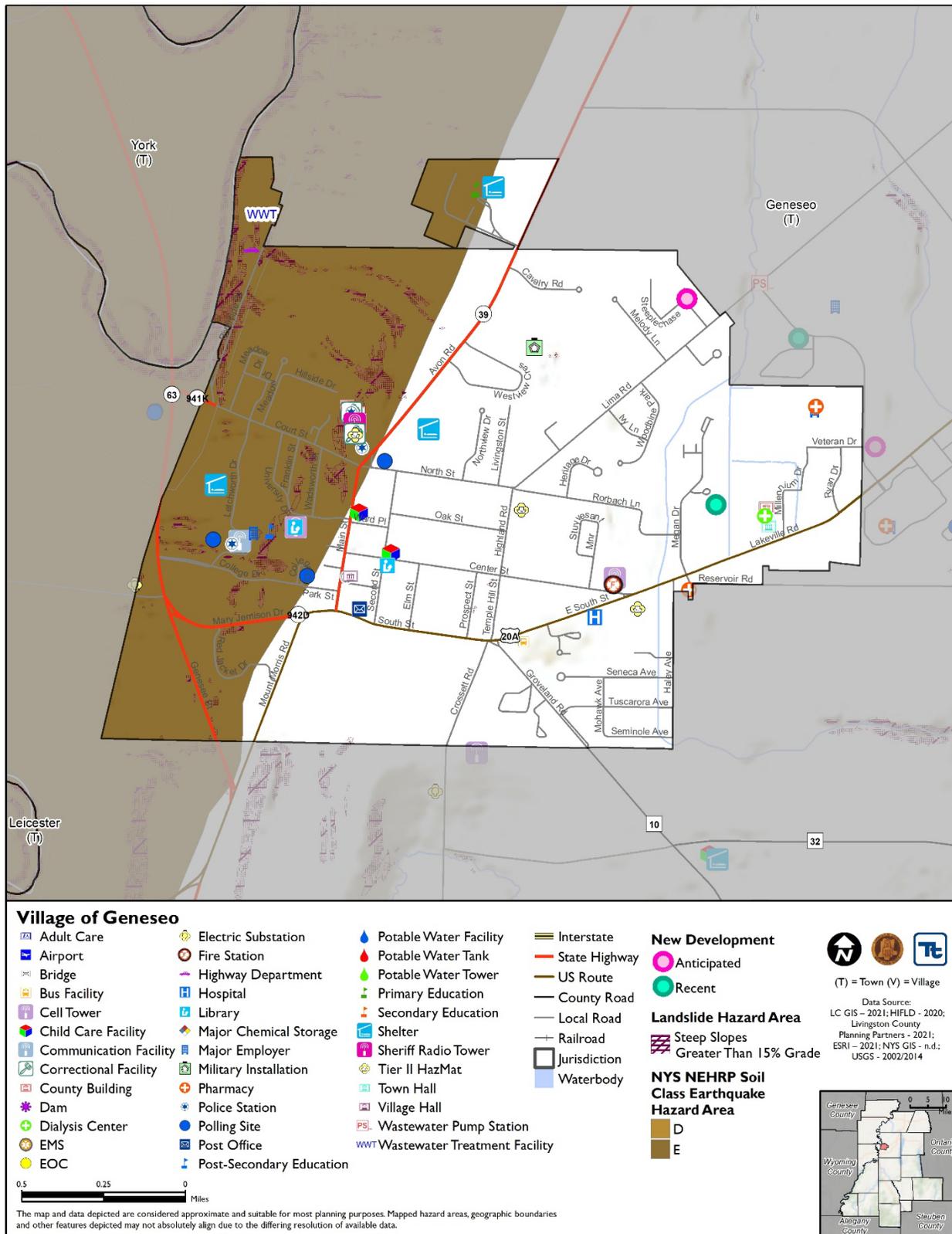




Figure 9.9-3. Village of Geneseo Earthquake and Landslide Hazard Areas





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 Village 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 9.9-11 provides details regarding municipal-specific loss and damages the Village 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 9.9-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Included?	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 Village 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 Village of Geneseo. The Village 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 Village agreed with the calculated rankings.





Table 9.9-12. Hazard Ranking Input

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

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 9.9-13. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Addressed by Proposed Action
		1% Event	0.2% Event	
No critical facilities in the floodplain				

Source: Livingston County Planning Partners 2021; HIFLD 2020

Identified Issues

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

- Stormwater flooding
- All village facilities need backup power
- Water and wastewater plants need backup power
- Jaycox Creek approaching capacity of culverts
- Indian Meadows – possible elevation
- Aging infrastructure in the Village

9.9.8 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 9.9-14. 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.
VG-1	Complete Jaycox Creek stream channel clearing project in the Indian Meadows Housing Development.	Flood	None provided in the 2015 HMP	Village DPW	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-2	Complete Jaycox Creek box culvert replacement project in the Indian Meadows Housing Development.	Flood	None provided in the 2015 HMP	Village DPW	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-3	Identify and conduct flood control and mitigation actions to minimize flooding issue for Jaycox Creek along Lima Road	Flood	None provided in the 2015 HMP	Village Planning & Zoning Boards	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-4	Establish reserves of spare parts, tires, etc. for emergency/official vehicles.	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 Village's mitigation strategy for the plan update.
VG-5	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 Village's mitigation strategy for the plan update.
VG-6	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 Village's mitigation strategy for the plan update.
VG-7	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 Village's mitigation strategy for the plan update.
VG-8	Support the mitigation of vulnerable structures via retrofit (e.g., elevation, flood-proofing) or acquisition/relocation	Flood, Severe Storm,	None provided in the 2015 HMP	Village Engineering	Ongoing	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.
	to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable.	Wildfire, Winter Storm					3. This is an ongoing capability in the Village.
VG-9	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	Village Engineering	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-10	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 Hazards	None provided in the 2015 HMP	Village Superintendent's Office	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-11	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	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-12	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1).	All Hazards	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 Village's mitigation strategy for the plan update.
VG-13	Begin the process to promote or adopt higher regulatory and zoning standards to	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing	1. 2.	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.
	manage flood hazard risk; specifically through [examples]:					3.	3. This is an ongoing capability in the Village.
VG-14	Develop and implement a post-event damage assessment program.	Flood; Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-15	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshops if offered in 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.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-16	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	NFIP FPA	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-17	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	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-18	Develop and maintain mapping of all natural hazard risk areas in the Village, 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	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-19	Work with County and power companies to identify roads within the Village considered "critical" would be the first	Severe Storm; Severe	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2.	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.
	priority for clearing after an event involving downed power lines.	Winter Storm				3.	3. This is an ongoing capability in the Village.
VG-20	Enhance or expand tree maintenance program and coordinate with utility companies.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.
VG-21	Work with utility companies and developers to bury utility lines underground, wherever possible.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. - 3. This is an ongoing capability in the Village.



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

Other than what is presented in Table 9.9-14, the Village of Geneseo did not complete any additional mitigation projects/activities since the 2015 HMP.

Proposed Hazard Mitigation Initiatives for the HMP Update

The Village 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 9.9-15. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Drought		X				X				X
Earthquake		X				X				X
Flood	X	X	X		X	X		X	X	X
Hazardous Materials	X	X		X	X	X		X		X
Invasive Species		X				X				X
Landslide		X				X				X
Mine Subsidence		X				X				X
Pandemic		X				X				X
Severe Storm		X	X			X		X	X	X
Severe Winter Storm		X	X			X		X	X	X
Wildfire		X				X				X
Terrorism		X				X				X
Utility Failure		X				X				X

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

Table 9.9-16 summarizes the comprehensive range of specific mitigation initiatives the Village 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. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide range of activities and mitigation measures selected.

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 9.9-16. 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
2021-Village of Geneseo-001	Jaycox Creek Stormwater Improvements	Problem: Stormwater flooding in the area of Jaycox Creek is a concern due to the undersized culverts and combined sewer systems. Solution: The Village will increase drainage and separation of storm and sanitary sewers. Additionally, the Village will continue cleaning of Jaycox Creek.	No	Yes	Flood, Severe Storm, Severe Winter Storm	1, 2	1 year	Village DPW	Local Budget, CHIPs, FEMA HMGP	Increase capacity of system; reduce flooding; increase water quality	\$100,000+	Medium	SIP, NSP	PP, SP, NR
2021-Village of Geneseo-002	Critical Facility Generators	Problem: There are several critical facilities in the Village that do not have backup power. This impacts their capabilities of operating during power outages and providing essential services to the residents. Solution: Prioritize the facilities based on need for backup power. Once prioritized, the Village will begin purchasing and install generators at each of the facilities.	Yes	No	All	1, 2	3 years	Village DPW, Village Board	Local Budget, FEMA HMGP	Continuity of operations	\$70,000/generator	High	SIP	ES, PP
2021-Village of Geneseo-003	Village wide Infrastructure Improvement	Problem: Aging infrastructure throughout the Village. Solution: Conduct a feasibility study to determine the status of the infrastructure and identify actions needed to upgrade and upsize the systems. This will include upsizing stormwater piping and culverts.	No	No	Flood, Severe Storm	1, 2	3 years	Village DPW, Village Board	HMGP, Local Budget	Reduction in flood risk	\$50,000+	Medium	SIP	PP, SP
2021-Village of Geneseo-004	Second Street/ Oak Street Rehabilitation	Problem: Property flooding during significant rain events in the area of Second Street and Oak Street. Solution: Increased capacity of storm sewer and removal of storm water in sanitary sewer system.	Yes	No	Flood, Severe Storm, Severe Winter Storm	1, 2	8 months	Village DPW, Village Board	Local Budget, WQIP	Property damage reduction; increase capacity	\$3 million	High	SIP	PP, SP



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
2021-Village of Geneseo-005	Conesus Lake Protection Plan	Problem: Recreational fireworks around Conesus Lake is causing contamination of drinking water in the area. Solution: Implement procedures to reduce fireworks in the area of the lake and put a plan in place to clean the water of contaminants.	No	Yes	Hazardous Materials	1, 2	1 month	State and Local Health Departments, CLA	Local Budget, Watershed Officials	Improve water quality	TBD	High	LPR, EAP	PR, NR
2021-Village of Geneseo-006	Floodprone Properties	Problem: There are 3 policies. One of the flood policies is located in the floodplain. Due to their location, the properties are prone to flooding and flood damages. Solution: Conduct outreach to 3 floodprone property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the Village.	No	No	Flood	1, 2, 3	1 year	NFIP Floodplain Administrator, Village Board	Village Budget for outreach; FEMA FMA or HMGP for mitigation	Eliminates flood damage to homes, informs public of mitigation options	Staff time; mitigation depends on type chosen	Medium	LPR, SIP	PR, SP, PI
2021-Village of Geneseo-007	NFIP Administrator Training	Problem: The floodplain administrator for the Village is in need of training and resources to understand the NFIP program and flooding in the Village. 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	Village Budget	Increase education and training on floods in the Village	Staff time	High	LPR	PR

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 9.9-17. 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
2021-Village of Geneseo-001	Jaycox Creek Stormwater Improvements	1	1	1	1	0	0	0	0	0	1	1	1	0	0	7	Medium
2021-Village of Geneseo-002	Critical Facility Generators	1	1	1	1	1	0	0	0	0	1	1	1	1	0	9	High
2021-Village of Geneseo-003	Village wide Infrastructure Improvement	1	1	1	1	1	0	0	0	0	1	1	1	0	0	8	Medium
2021-Village of Geneseo-004	Second Street/ Oak Street Rehabilitation	1	1	1	1	1	0	0	0	0	1	1	1	1	0	9	High
2021-Village of Geneseo-005	Conesus Lake Protection Plan	1	1	1	1	1	0	0	1	0	1	0	1	1	0	9	High
2021-Village of Geneseo-006	Floodprone Properties	1	1	1	1	0	0	1	0	0	1	0	1	0	0	7	Medium
2021-Village of Geneseo-007	NFIP Administrator Training	1	1	1	1	1	0	1	0	0	1	0	1	1	0	9	High

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



9.9.9 Action Worksheets

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

Action Worksheet			
Project Name:	Second Street/Oak Street Rehabilitation		
Project Number:	2021-Village of Geneseo-004		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Severe Storm, Severe Winter Storm		
Description of the Problem:	Property flooding during significant rain events in the area of Second Street and Oak Street.		
Action or Project Intended for Implementation			
Description of the Solution:	Increased capacity of storm sewer and removal of storm water in sanitary sewer system.		
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:	100-year	Estimated Benefits (losses avoided):	Property damage reduced
Useful Life:	50-100 years	Goals Met:	1, 2
Estimated Cost:	\$3 million	Mitigation Action Type:	SIP
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	12 months from funding
Estimated Time Required for Project Implementation:	8 months	Potential Funding Sources:	Local Budget, WQIP
Responsible Organization:	Village DPW, Village Board	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.
	Replace entire stormwater system	\$10 million+	Costly; entire system does not need to be replaced
	Elevate roadways	\$1 million+	Costly; not feasible
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:	Second Street/Oak Street Rehabilitation	
Project Number:	2021-Village of Geneseo-004	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Increases capacity; replaces aging infrastructure
Cost-Effectiveness	1	Benefits outweigh the costs
Technical	1	
Political	1	
Legal	0	
Fiscal	0	Need funding to complete project
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm, Winter Storm
Timeline	1	To be completed within 8 months
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Conesus Lake Protection Plan		
Project Number:	2021-Village of Geneseo-005		
Risk / Vulnerability			
Hazard(s) of Concern:	Hazardous Materials		
Description of the Problem:	Recreational fireworks around Conesus Lake is causing contamination of drinking water in the area.		
Action or Project Intended for Implementation			
Description of the Solution:	Implement procedures to reduce fireworks in the area of the lake and put a plan in place to clean the water of contaminants.		
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:	High	Estimated Benefits (losses avoided):	Improve water quality
Useful Life:	TBD	Goals Met:	1, 2
Estimated Cost:	TBD	Mitigation Action Type:	LPR, EAP
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	6 months
Estimated Time Required for Project Implementation:	1 month	Potential Funding Sources:	Local Budget, Watershed Officials
Responsible Organization:	State and Local Health Departments, CLA	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 water treatment equipment around entire lake	\$1 million+	Costly; not all sections need treatment
	Prohibit fireworks	\$0	Can be difficult to enforce; people will still use fireworks
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:	Conesus Lake Protection Plan	
Project Number:	2021-Village of Geneseo-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Improve water quality for potable water
Property Protection	1	
Cost-Effectiveness	1	Benefits outweigh the costs
Technical	1	
Political	1	Political support to implement
Legal	0	
Fiscal	0	Need funding to complete project
Environmental	1	Increase water quality; benefits environment
Social	0	
Administrative	1	
Multi-Hazard	0	Hazardous Materials
Timeline	1	To be completed within 1 month
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (High/Med/Low)	High	

